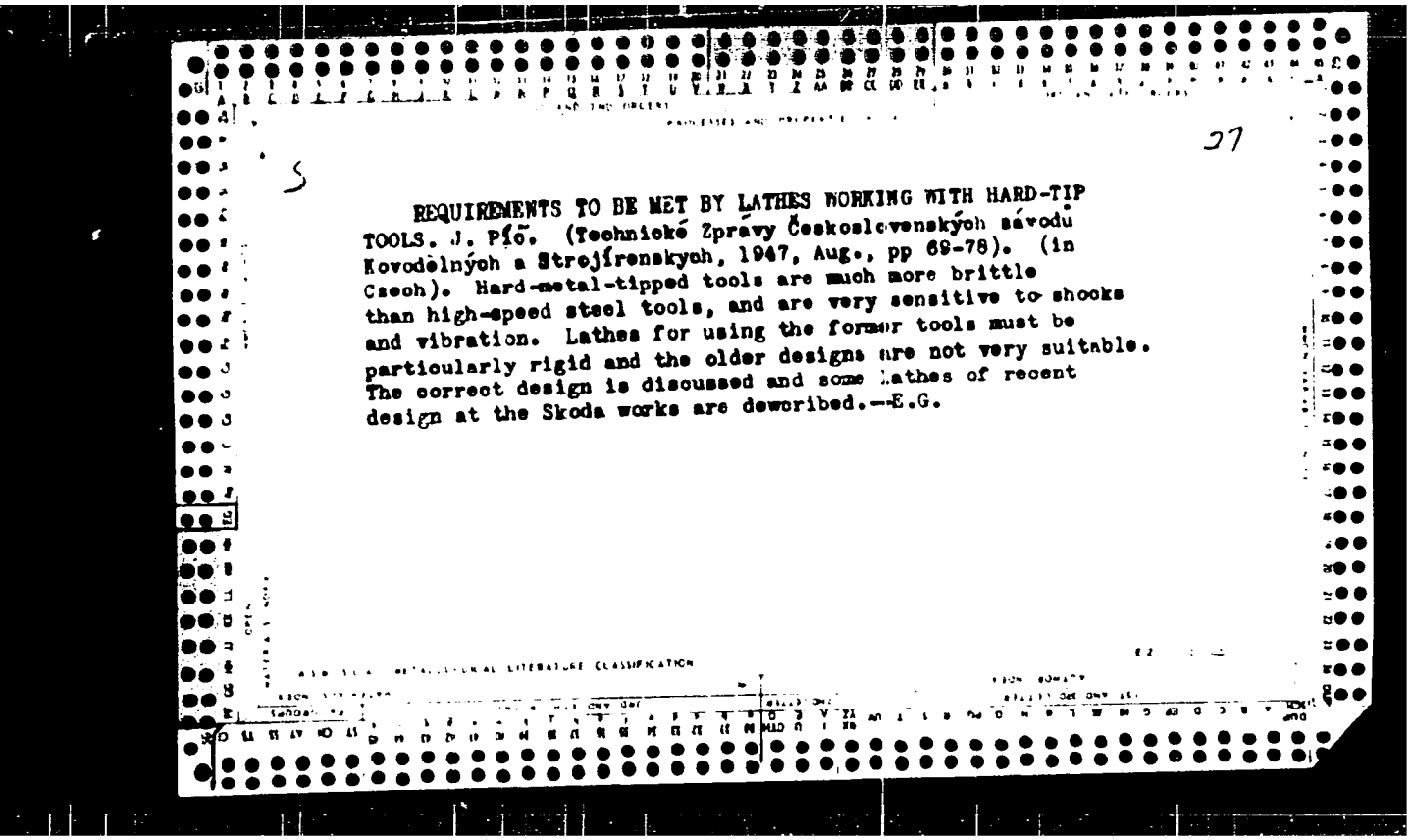
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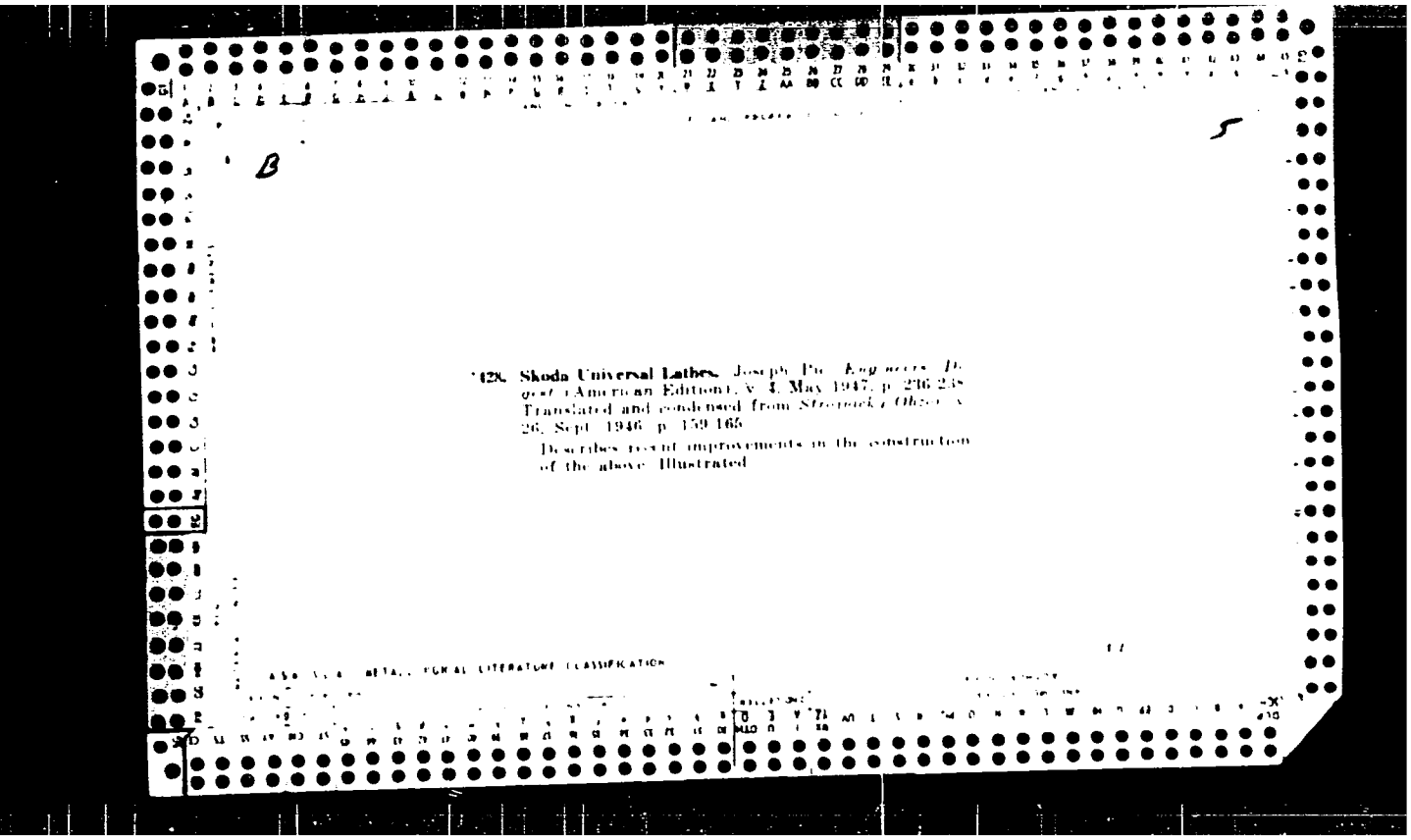
27

S

REQUIREMENTS TO BE MET BY LATHES WORKING WITH HARD-TIP TOOLS. J. Pšč. (Technické Zprávy Československých závodů Kovodělných a Strojírenských, 1947, Aug., pp 69-78). (in Czech). Hard-metal-tipped tools are much more brittle than high-speed steel tools, and are very sensitive to shocks and vibration. Lathes for using the former tools must be particularly rigid and the older designs are not very suitable. The correct design is discussed and some lathes of recent design at the Skoda works are described.—E.G.

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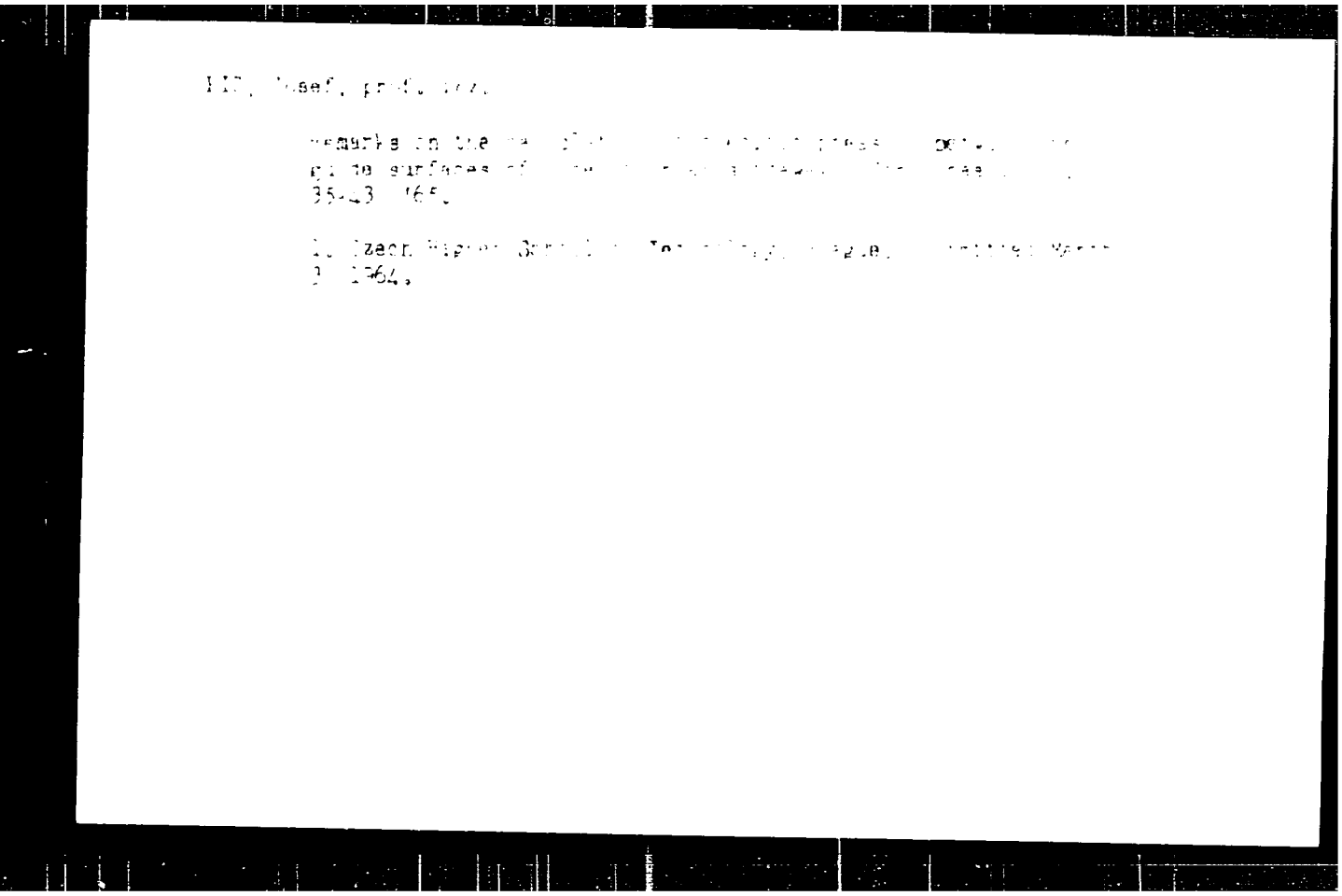


*128. **Skoda Universal Lathes.** Joseph Pic. *Engineering Digest* (American Edition), v. 8, May 1947, p. 236-238. Translated and condensed from *Strojnicky Obzor*, v. 26, Sept. 1946, p. 159-165.

Describes recent improvements in the construction of the above. Illustrated.

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PIC, M.

Now [illegible] vari[illegible] Family [illegible]
(Magyar Nemzeti Muzeum Termeszettudomanyi Muzeum [illegible])
Budapest, Hungary

CC: Monthly list [illegible]

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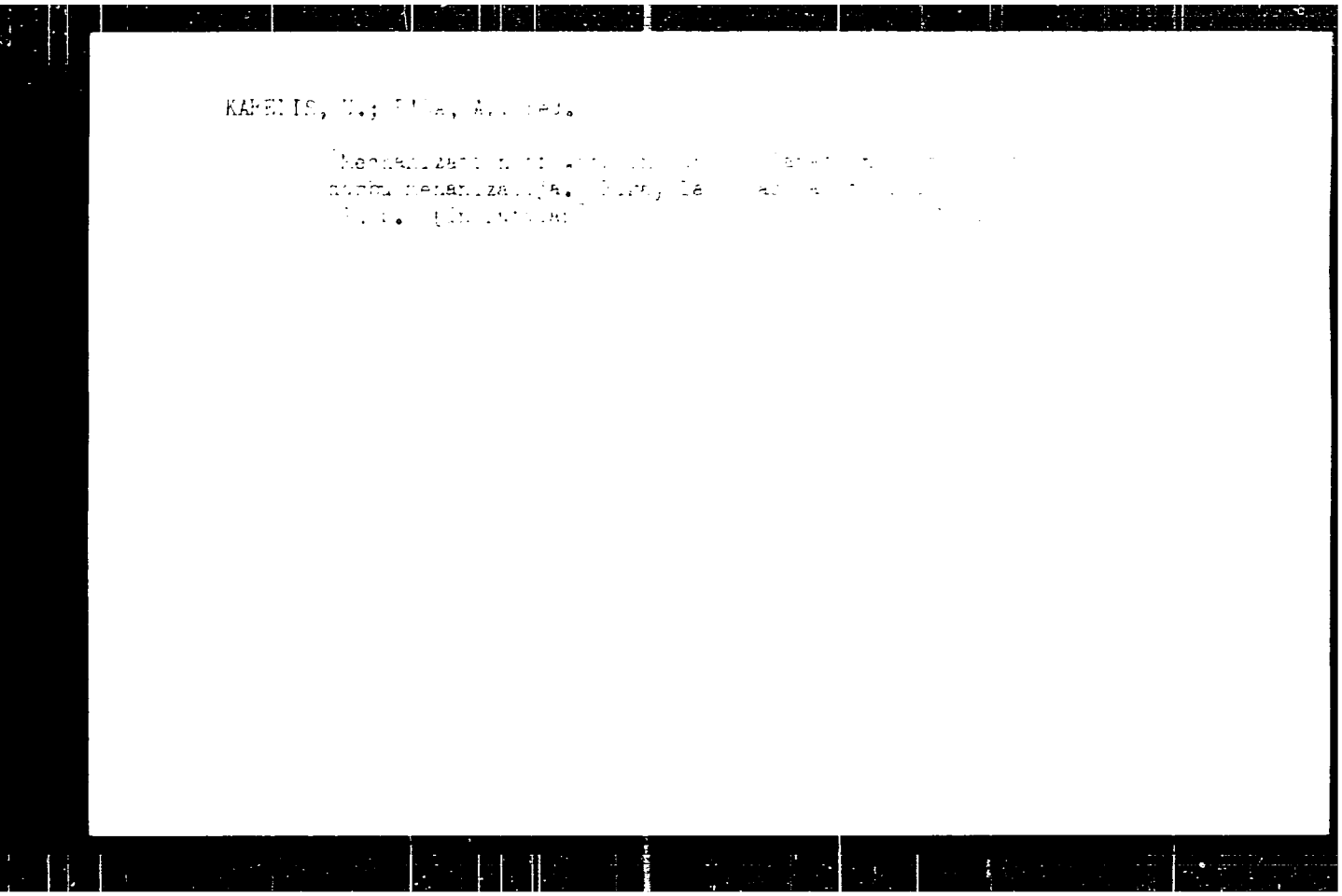
PIC, Z

Effect of prolonged grinding times on the contents of impurities and the qualities of carbides for powder metallurgy. Zdeněk Pič. (Závod první pětiletky, Šumperk, Czech.) *Sborník prášková met., Sborník. Brno* 1953, 451-9(Pub. 1954).—The impurities P, S, As, and Al_2O_3 will never be introduced during grinding of a mixed carbide such as S_1 (WC + $WTiC_2$ + Co), if all the materials and mills used are pure and clean; the impurities introduced are O and N from the air. On the base of grinding expts. which lasted up to 100 days a formula is derived which furnishes the uptake of N and O, expressed in %, as a function of the grinding time. Werner Jacobs

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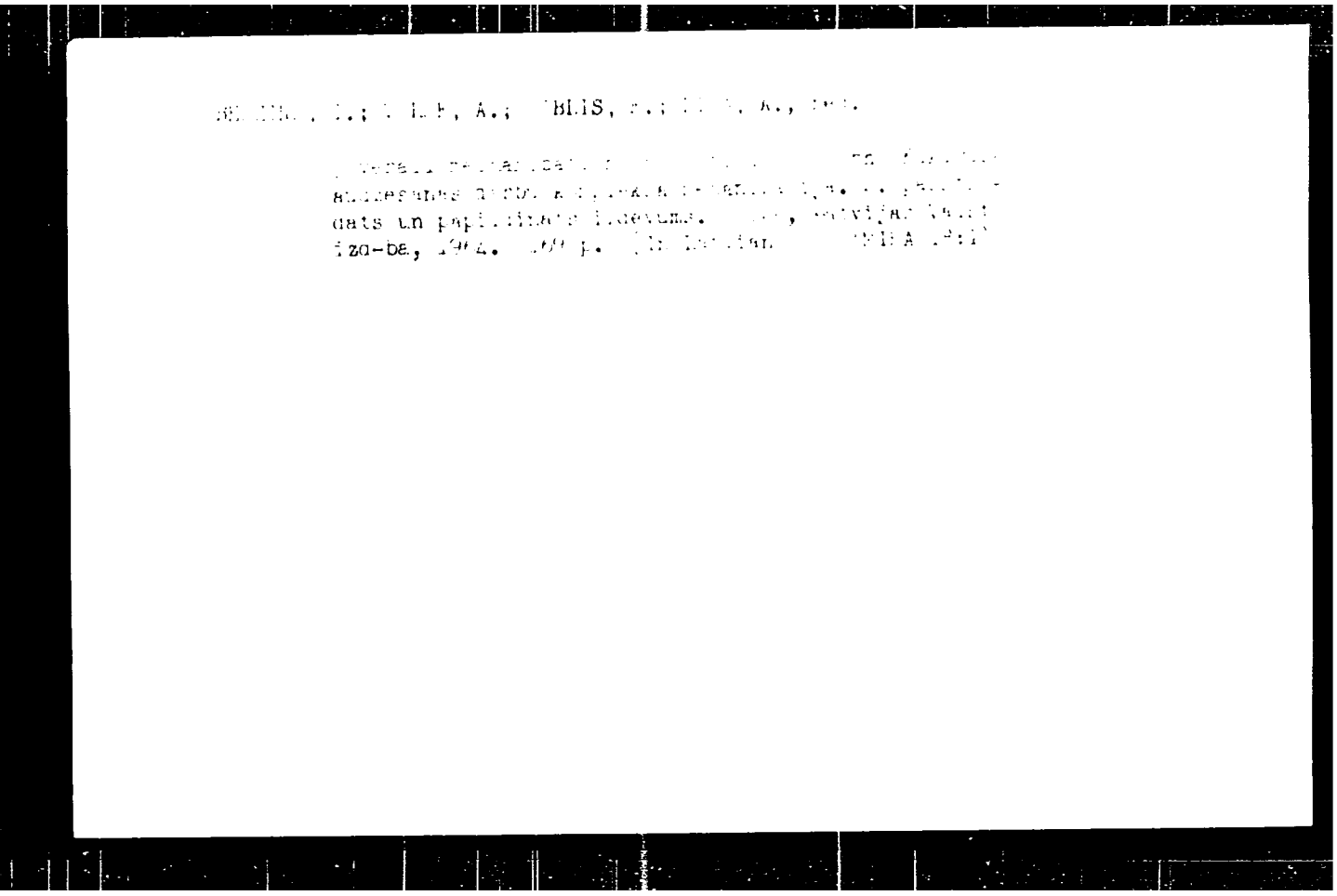


KAREIS, V.; [illegible], A. [illegible].

[illegible]

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LICA, A., red.

"Kuusiku," a hybrid turnip; Latvian 'Kuusiku'.
Riga, Latvija: Valst. Izdevnieciba, [illegible] 3 l.
(In Latvian.) (M.A. 7:6)

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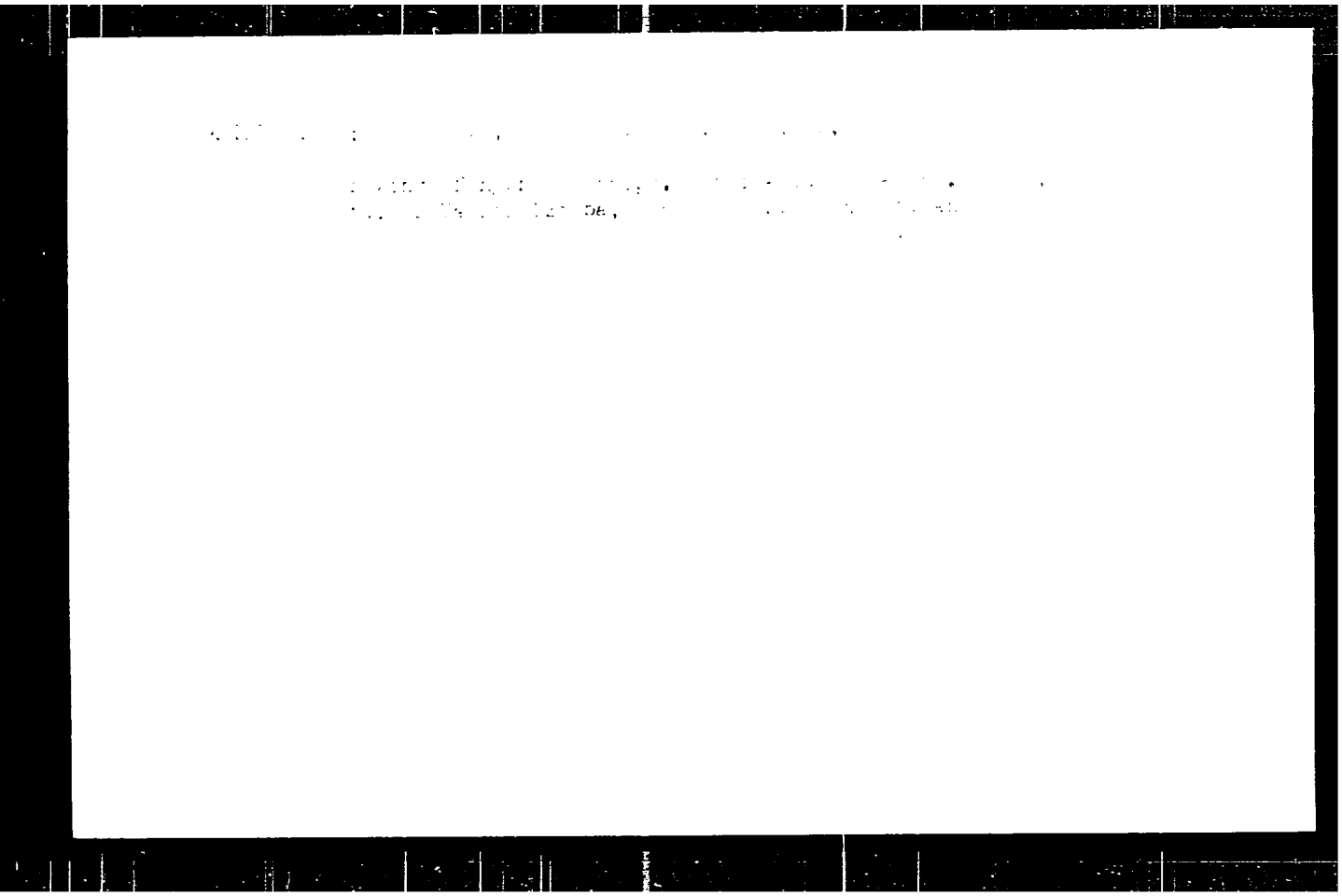
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KARKLINS, Janis; PICA, A., red.; KRASOVSKA, M., tekhn. red.

[Training fruit trees and berry-bearing shrubs] Auglu koku un ogu krumu veidosana. Riga, Latvijas Valsts izdevnieciba, 1962. 282 p. (Pruning) (MIRA 16:5)

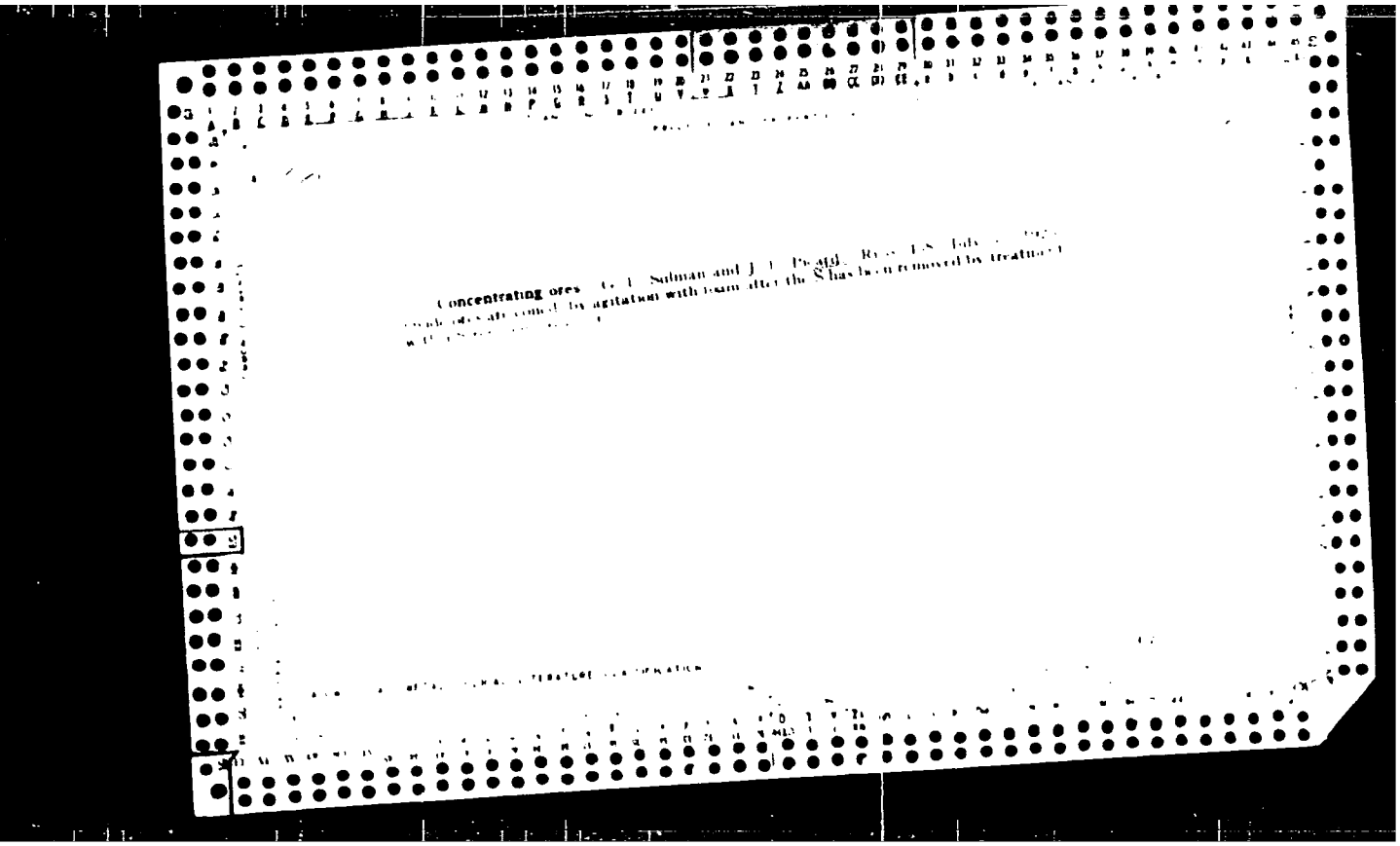
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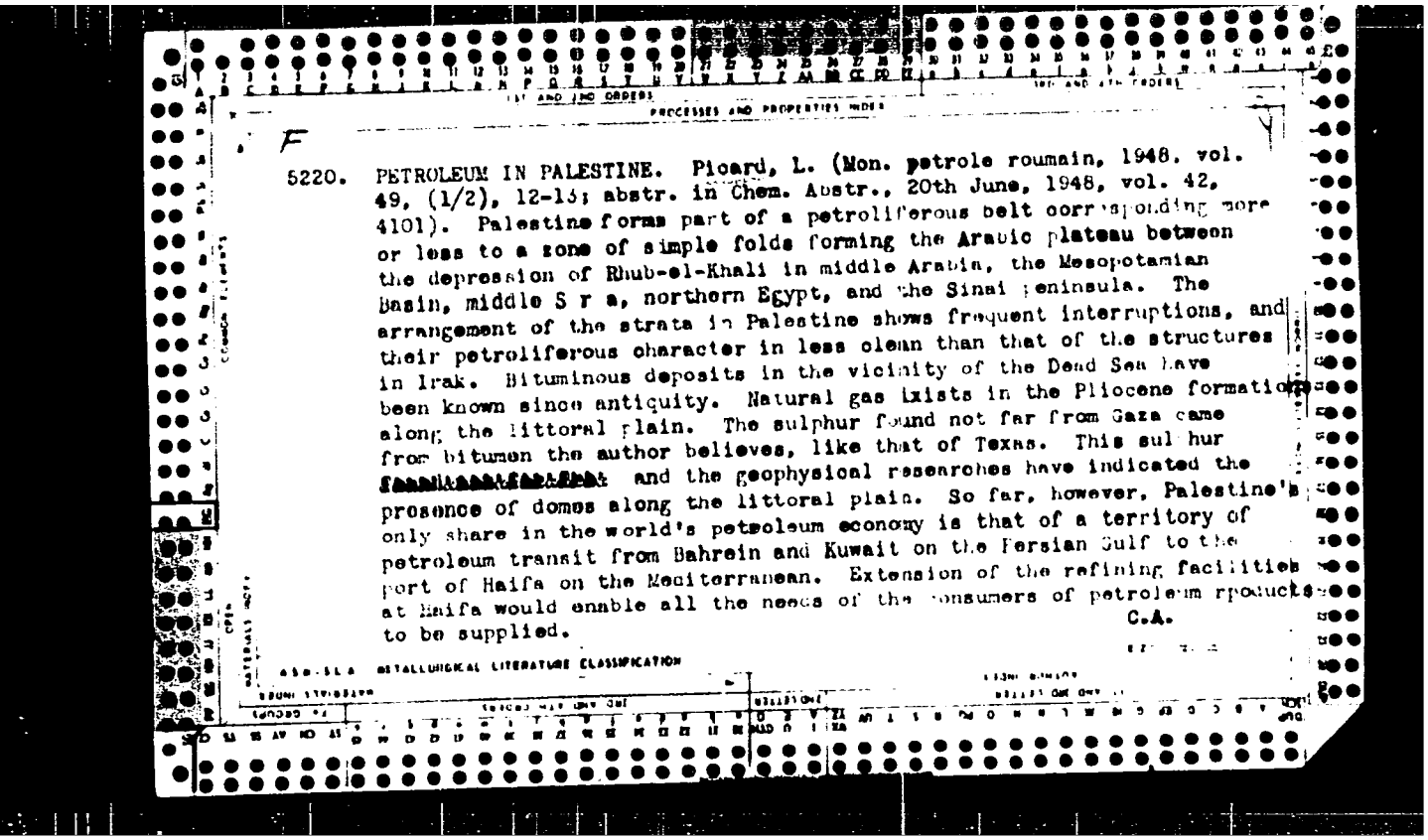
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Concentrating ores

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F

5220. PETROLEUM IN PALESTINE. Picard, L. (Mon. petrole roumain, 1948, vol. 49, (1/2), 12-15; abstr. in Chem. Abstr., 20th June, 1948, vol. 42, 4101). Palestine forms part of a petroliferous belt corresponding more or less to a zone of simple folds forming the Arabic plateau between the depression of Rhub-el-Khali in middle Arabia, the Mesopotamian Basin, middle S r a, northern Egypt, and the Sinai peninsula. The arrangement of the strata in Palestine shows frequent interruptions, and their petroliferous character in less clean than that of the structures in Irak. Bituminous deposits in the vicinity of the Dead Sea have been known since antiquity. Natural gas exists in the Pliocene formation along the littoral plain. The sulphur found not far from Gaza came from bitumen the author believes, like that of Texas. This sul hur [redacted] and the geophysical researches have indicated the presence of domes along the littoral plain. So far, however, Palestine's only share in the world's petroleum economy is that of a territory of petroleum transit from Bahrein and Kuwait on the Persian Gulf to the port of Haifa on the Mediterranean. Extension of the refining facilities at Haifa would enable all the needs of the consumers of petroleum products to be supplied.

C.A.

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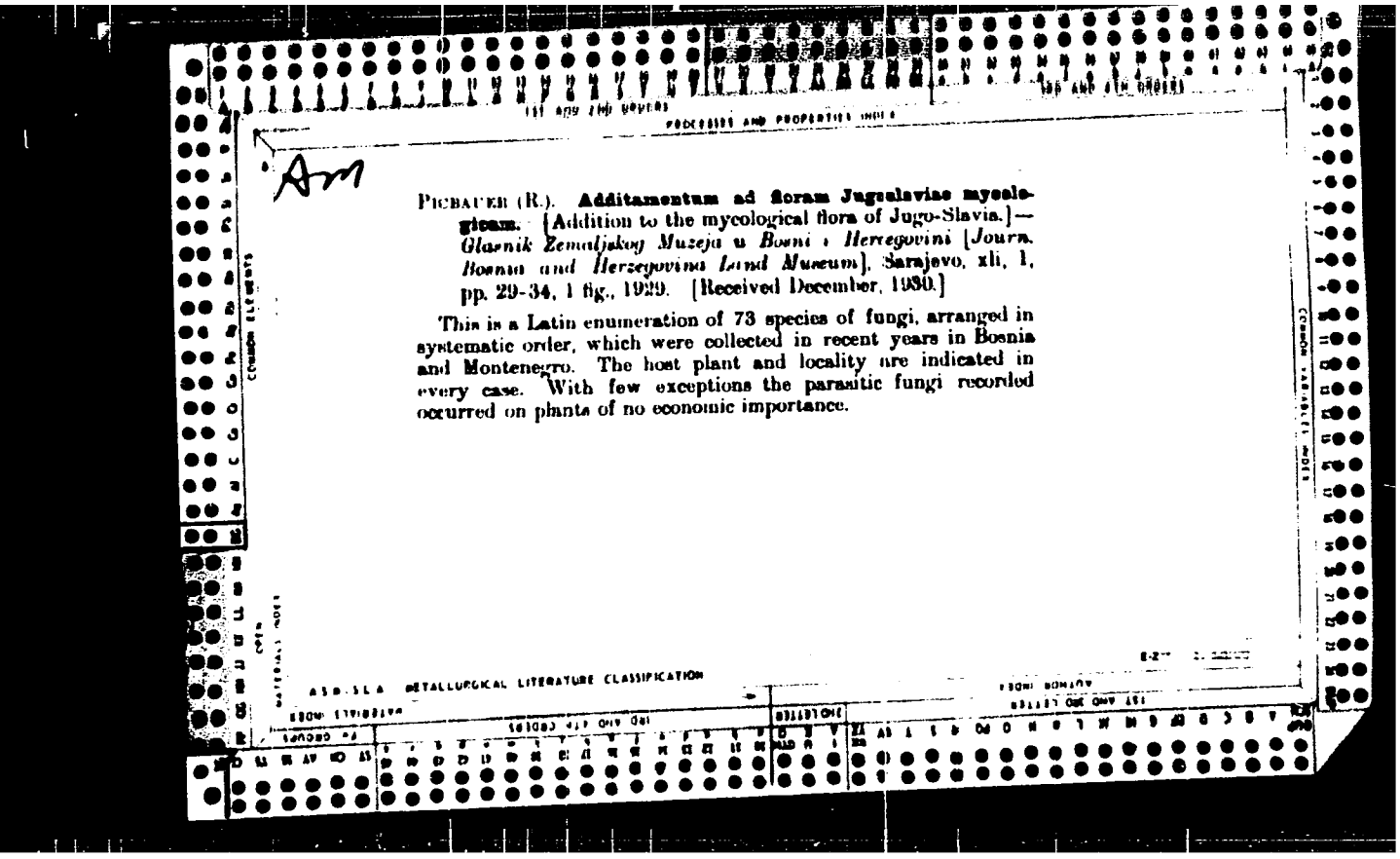
CTRSPL Vol. 5-No. 1 Jan. 1952

PIGAREV, Z D

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 2

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PICBAUER (R.). **Additamentum ad floram Jugoslaviae mycologicam.** [Addition to the mycological flora of Jugo-Slavia.]—*Glasnik Zemaljskog Muzeja u Bosni i Hercegovini* [*Journ. Bosnia and Herzegovina Land Museum*], Sarajevo, xli, 1, pp. 29-34, 1 fig., 1929. [Received December, 1930.]

This is a Latin enumeration of 73 species of fungi, arranged in systematic order, which were collected in recent years in Bosnia and Montenegro. The host plant and locality are indicated in every case. With few exceptions the parasitic fungi recorded occurred on plants of no economic importance.

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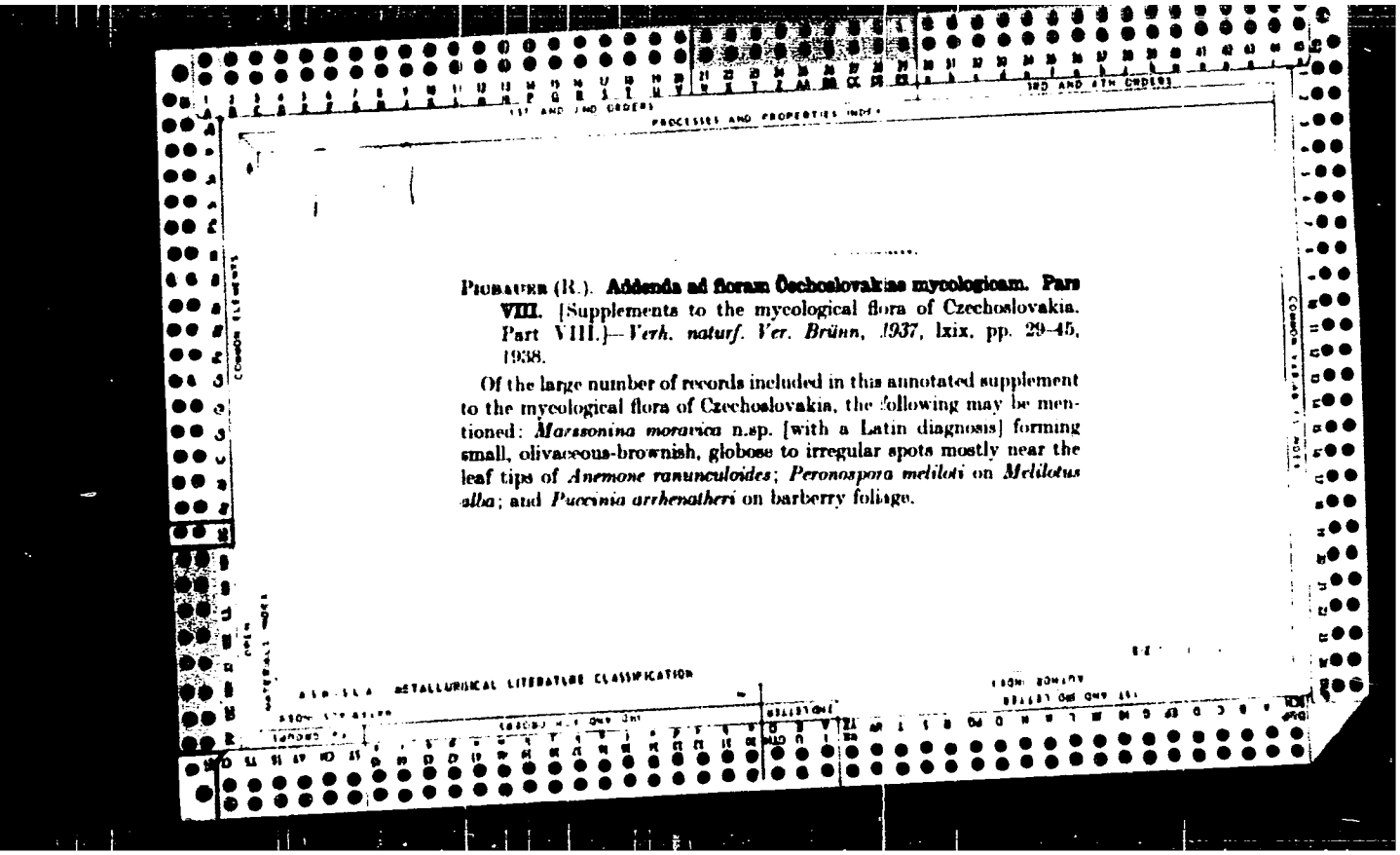
Ref 63

Petrak (F.) **Addenda ad floram Czechoslovakiae mycologicam. Pars IX.** [Additions to the mycological flora of Czechoslovakia Part IX.] *Sborn. Klpír. Brně*, 28, pp. 58–66, 1948. [Received December, 1950.]

This further addition to the author's annotated list of fungi found in Czechoslovakia [*R.A.M.*, 17, p. 704] includes *Peronospora nasturtii-aquatici* on watercress, *Gnomonia carpinea* on fallen leaves of *Carpinus betulus*, *Nectria brassicae* on cabbage, and *Puccinia aculti-leucanthemi* on *Chrysanthemum leucanthemum*.

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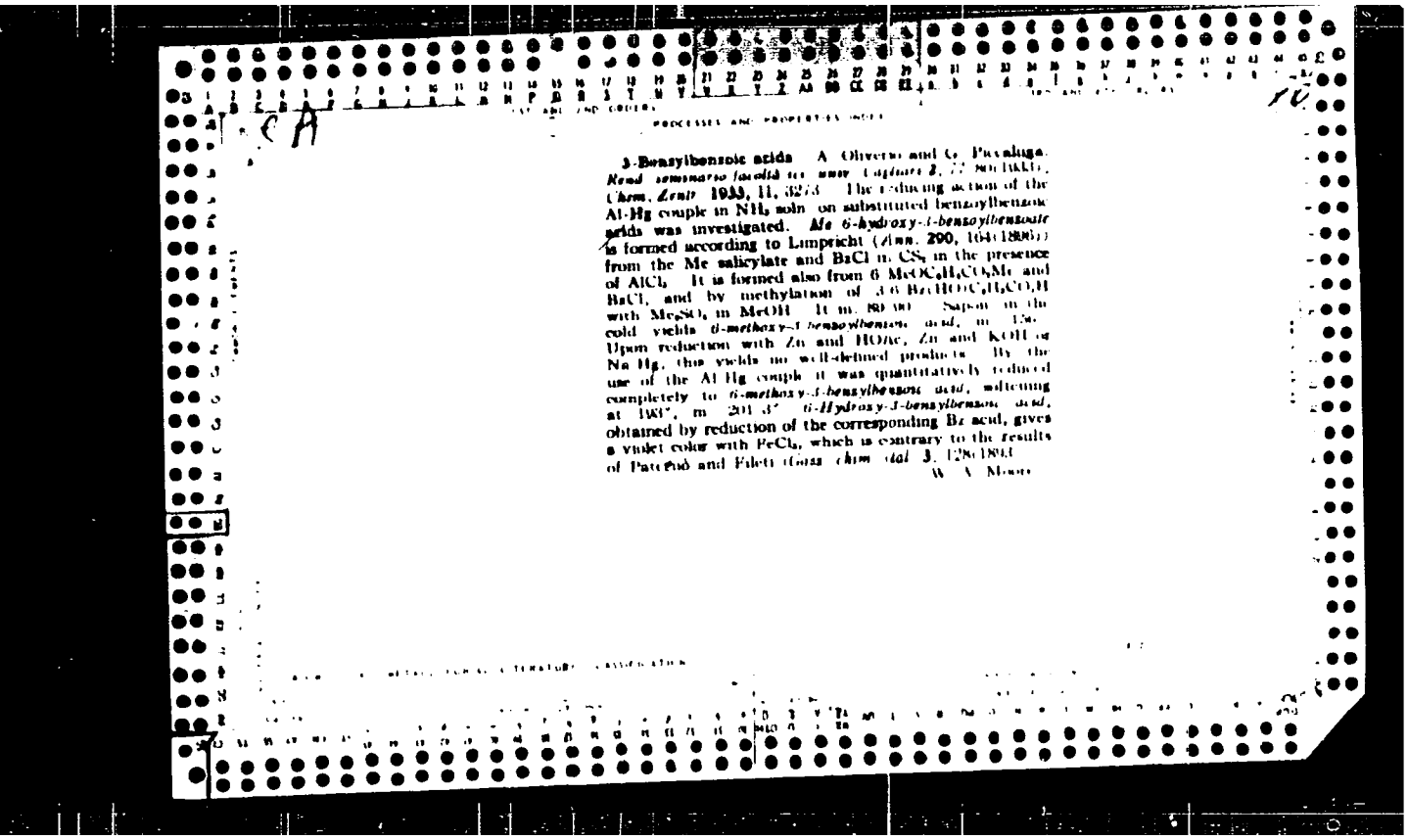


PIDOPLICHKO (N.). **Addenda ad floram Čechoslovakiae mycologicam. Pars VIII.** [Supplements to the mycological flora of Czechoslovakia. Part VIII.]—*Věstn. naturf. Ver. Brünn, 1937*, lxix, pp. 29–45, 1938.

Of the large number of records included in this annotated supplement to the mycological flora of Czechoslovakia, the following may be mentioned: *Marssonina moravica* n.sp. [with a Latin diagnosis] forming small, olivaceous-brownish, globose to irregular spots mostly near the leaf tips of *Anemone ranunculoides*; *Peronospora meliloti* on *Melilotus alba*; and *Puccinia arrhenatheri* on barberry foliage.

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3-Benzylbenzoic acids A. Oliveri and G. Pavaligua. *Renal semmarso fucsiis* ee *amor* (*Gaginari* **3**, 77 seq.[1933]). *Chem. Zentr.* **1933**, II, 3273. The reducing action of the Al-Hg couple in NH_3 soln. on substituted benzylbenzoic acids was investigated. *Me 6-hydroxy-3-benzylbenzoate* is formed according to Limpricht (*Ann.* **290**, 104 [1896]) from the Me salicylate and BzCl in CS_2 in the presence of $AlCl_3$. It is formed also from 6 $MeOC_6H_3CO_2Me$ and BzCl, and by methylation of 3,6 $BzHOC_6H_3CO_2H$ with Me_2SO_4 in MeOH. It m. 80-90°. Sapon. in the cold yields *6-methoxy-3-benzylbenzoic acid*, m. 156°. Upon reduction with Zn and HOAc, Zn and KOH or Na-Hg, this yields no well-defined products. By the use of the Al-Hg couple it was quantitatively reduced completely to *6-methoxy-3-benzylbenzoic acid*, softening at 100°, m. 201-3°. *6-Hydroxy-3-benzylbenzoic acid*, obtained by reduction of the corresponding Bz acid, gives a violet color with $FeCl_3$, which is contrary to the results of Paterno and Fileti (*Gazz. chim. ital.* **3**, 128 [1873]).

W. A. Mosher

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

Picard, Sophie

Picard, Sophie. Deux propositions de la théorie des groupes de substitutions. Ann. Soc. Polon. Math. 21, 135-144 (1948).

In the first proposition it is assumed that $2 \leq m < n$ and the conditions to be satisfied by a substitution S on n symbols are determined such that $\{\mathfrak{S}_m, S\} = \mathfrak{S}_m$. In the second, $3 \leq m < n$, and similar conditions on S simply that $\{\mathfrak{A}_m, S\} = \mathfrak{A}_m$ or $\mathfrak{S}_m$ according as S is even or odd.

G. de B. Robinson (Toronto, Ont.).

(Source) Mathematical Reviews, Vol 10 No. 7

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[illegible]

"Equivalent circuit of a [illegible]," [illegible],
[illegible] electrical, [illegible].

SO: [illegible]
Vol. [illegible], No. 2, [illegible].

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B[illegible]-5, Ferrous Metallurgy.

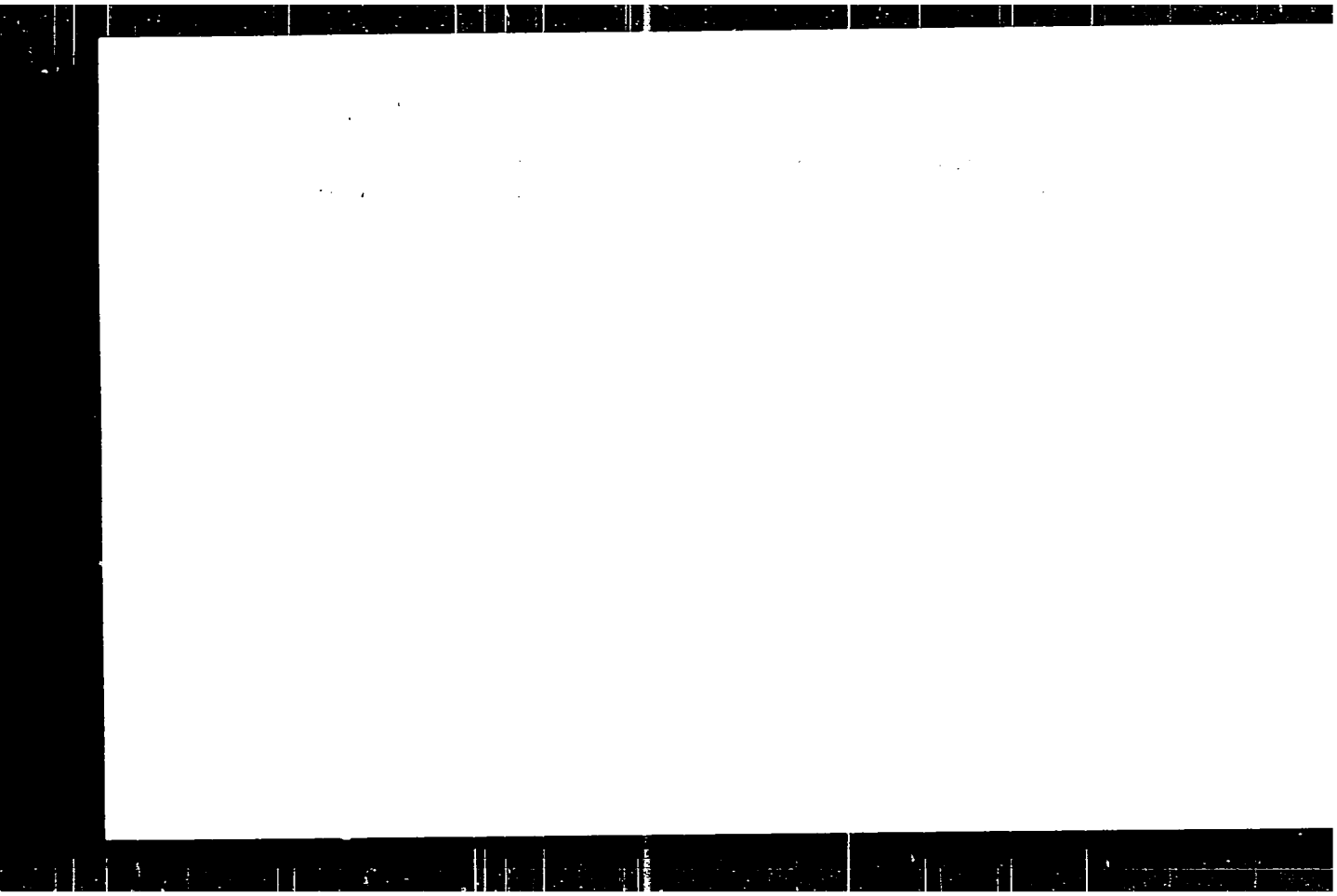
Br. Abs.

Possibility of desulphurisation of cast iron with manganese derived from blast-furnace slag. A. Picchota (Prace. chem., 1947, 5, 143-144; J. Iron Steel Inst., 1948, 160, 322).—S. in blast-furnace slag combines with Mn if the Mn content is sufficiently high to combine with the total amount of S. In presence of a small amount of Mn, S combines with Ca and Al. The acidity or alkalinity of the slag has no effect on the process.

R.E.Clarke.

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PICEK, Frantisek

MD

Department of Rehabilitation, Emergency Hospital, No 2 Medical School, (A pragai II.sz. Orvostudomanyi Kar Balesseti Korhaza Rehabilitacios Osztalya); Prague.

Budapest, Magyar Traumatologia, Orthopaedia, es Helyreallito Sebeszet, No 3, Aug 62, pp 161-168.

"The Significance of Rehabilitation and its Organization in Hospitals."

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

FICEK, Frantisek
SURNAME, Given Names

Country: [illegible]

Academic Degrees: MD

Affiliation: [illegible]lopment Department, [illegible]thopedia (Vyvojove oddeleni) Prague

Source: [illegible]icky Lekar, Vo[illegible]o 15-16, Aug 21, 1961; pp 731-732

Data: "Some [illegible]ations and Comments [illegible]arding Establishment of Rehabilitation Departments"

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, F.

[Health education in Pardubice] Zdravotni osvetova prace pardubickeho KNV. Zdravot.rev. 25 no.3:58-59 31 Mr '50. (CLML 19:1)

1. Of the Regional National Committee at Pardubice.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, Fr., MUDr, lekar

Rehabilitation in fractures of long bones of the upper extremities.
Acta chir orthop Cz 21 no.2:40-45 Ap '54. (KRAL 3:8)

1. Reditel SUR v Vlasime.
(FRACTURES, (ARM, fractures,
*arm, rehabil.) *rehabil.)
(REHABILITATION, in various diseases,
*arm fract.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, J.

"400th anniversary of the death of Georg Agricola." P. 321.

PUDY. (Ministerstvo hutniho prumyslu a rudnych dolu). Praha, Czechoslovakia, Vol. 3, No. 11, Nov. 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, Jan.

Scientific and technical conference of the Higher School of Technology in Kosice. Rudy 10 no.11:Suppl.:Prace vyzk ust no.8:64 N '62.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, Jan

Automation in foreign deep mines. Rudy 10 no.8:270-276 Ag '62.

1. Ustav pro vyzkum rud, Praha.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, Jan

Conference on dustiness in ore mines. Rudy 11 no.1:26-27 Ja '63.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

HICEK, J.

"Operational experiences with a new economical explosive using a zonimite fuse." p. 177

RUDY. Praha, Czechoslovakia, Vol. 7, No. 5, May, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959
Unclas

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, J.

A conference on mine surveying.

P. 260, (Rudy) Vol. 5, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

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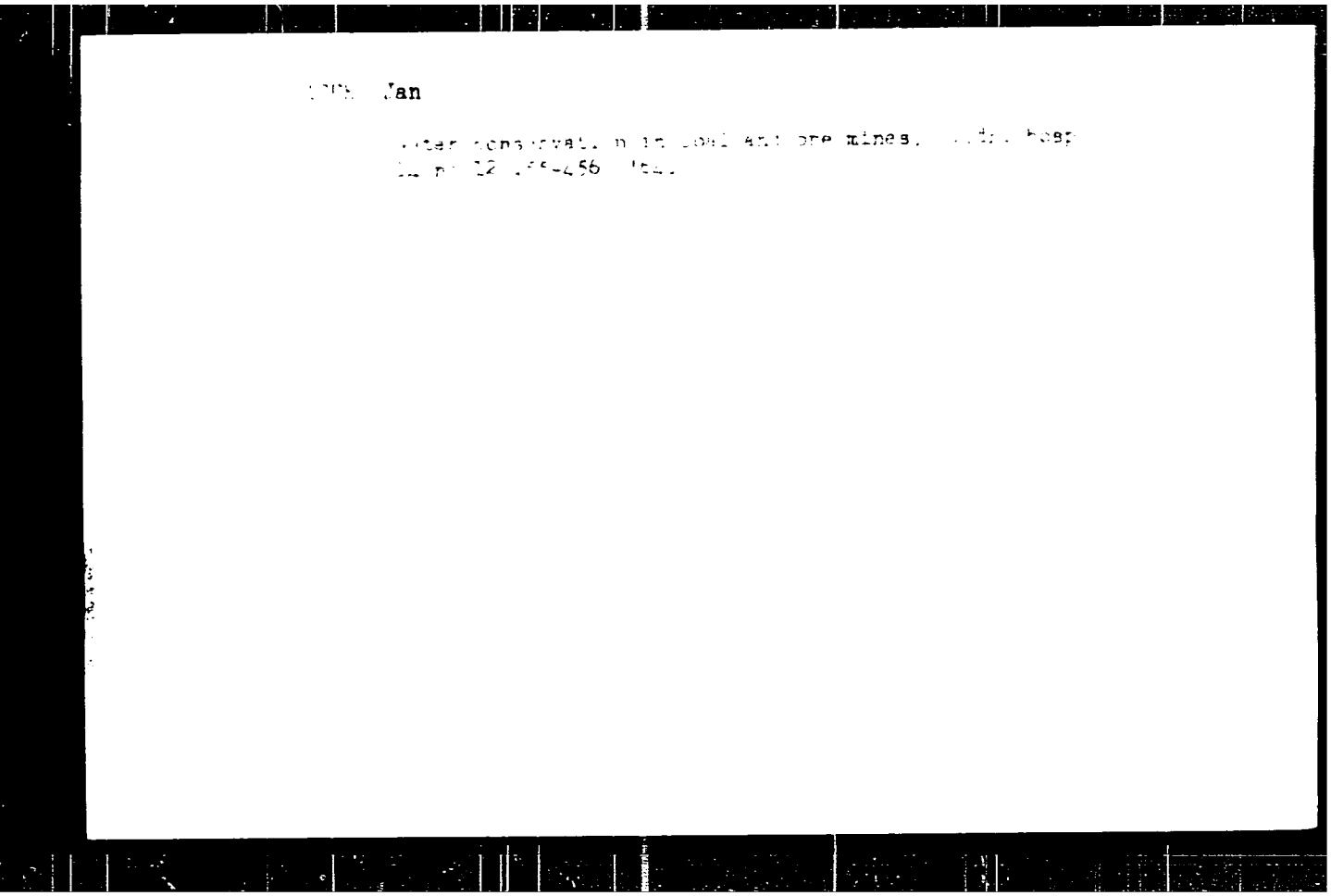
PICEK, Jan

New instruments for the measurement of dust concentration abroad.
Rudy 11 no.2:54-56 F '63.

1. Ustav pro vyzkum rud, Praha.

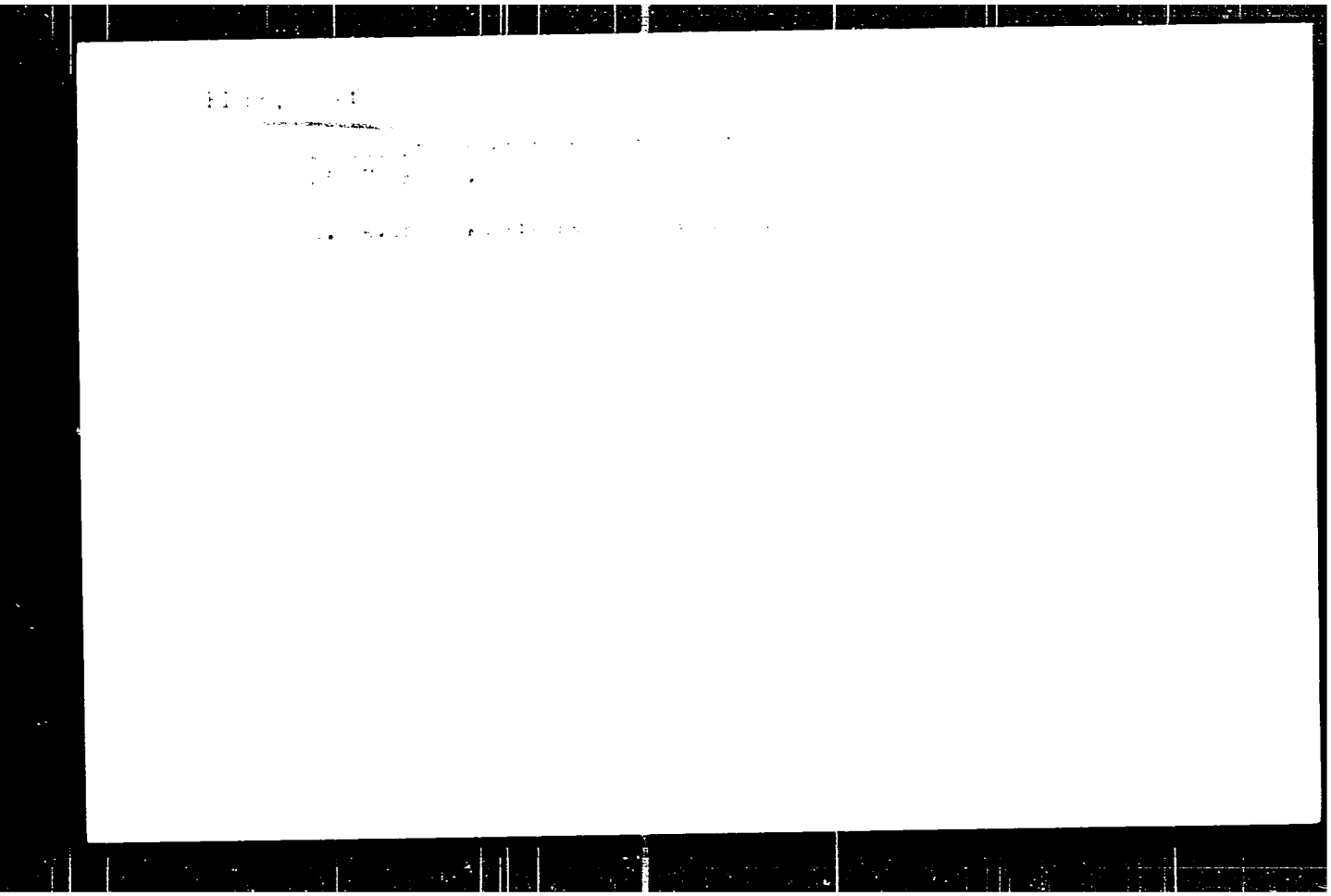
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ACCESSION NR: AP3000256 Z/0026/63/008/003/0216/0223

53
52

AUTHOR: Ivanov, Vasil (Engineer); Picek, Milan (Engineer)

TITLE: Solution of an algebraic equation of nth degree with real positive roots with the aid of a program for an automatic electronic digital computer National-Elliot 803

SOURCE: Aplikace matematiky, v. 8, no. 3, 1963, 216-223

TOPIC TAGS: algebraic-equation solution, computer programming, computer, National-Elliot 803 computer

ABSTRACT: A new method for solving an algebraic equation of nth degree with real positive roots is proposed on the basis of the classical iteration method of Newton. Necessary values of the function and of corresponding derivatives are calculated according to Horner's scheme. The development of the method makes use of the fact that the Horner scheme also gives the coefficients of corresponding lower degree polynomials in every last iteration step for a corresponding root. It is established that it is not necessary to find the approximate value of a root in order subsequently to find its exact value; instead, the value of the

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ACCESSION NR: AP3000256

previously calculated exact root can be used. The calculation procedure developed is used for programming the solution of fifth-degree algebraic equations for a National-Elliott 803 digital computer. Orig. art. has: 5 formulas, 2 figures, and 1 table.

ASSOCIATION: Energoprojekt (Power Engineering Design Office)

SUBMITTED: 21Mar62 DATE ACQ: 17Jun63 ENCL: 00

SUB CODE: CP NO REF SOV: 000 OTHER: 000

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[illegible], Vasil, [illegible], Milan, [illegible].

Solution of algebraic equations of n-order with real [illegible] roots by means of programming on the National-Elliott [illegible] automatic electronic digital computer. Aplikace mat 8 n .?: 216-233 [illegible].

1. Energoprojekt, [illegible], Dubenska 1.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICEK, S.

Screening for gynecological diseases in industrial plants in Czechoslovakia. Prakt. lek., Praha 33 no.22: 513-514 20 Nov. 1953. (CIML 25:5)

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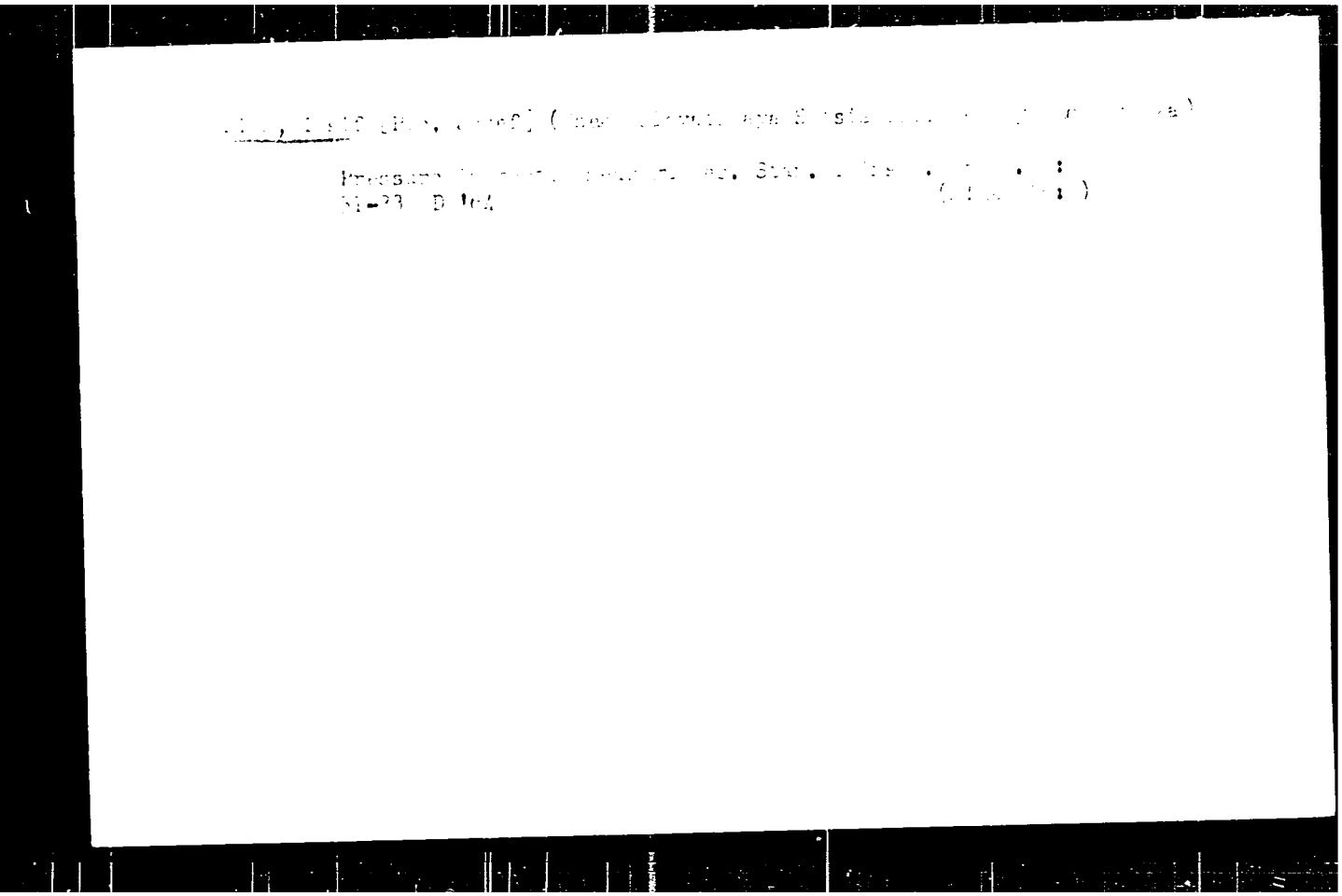
PICEK, S.

Gymnastics of the pelvic floor in coordination with the rhythm of breathing in gynecological practice. Cesk.gyn.26[40] no.1/2: 70-72 F '61.

1. OUNZ - Hradec Kralove.
(GYNECOLOGY ther)
(EXERCISE THERAPY)
(RESPIRATION)

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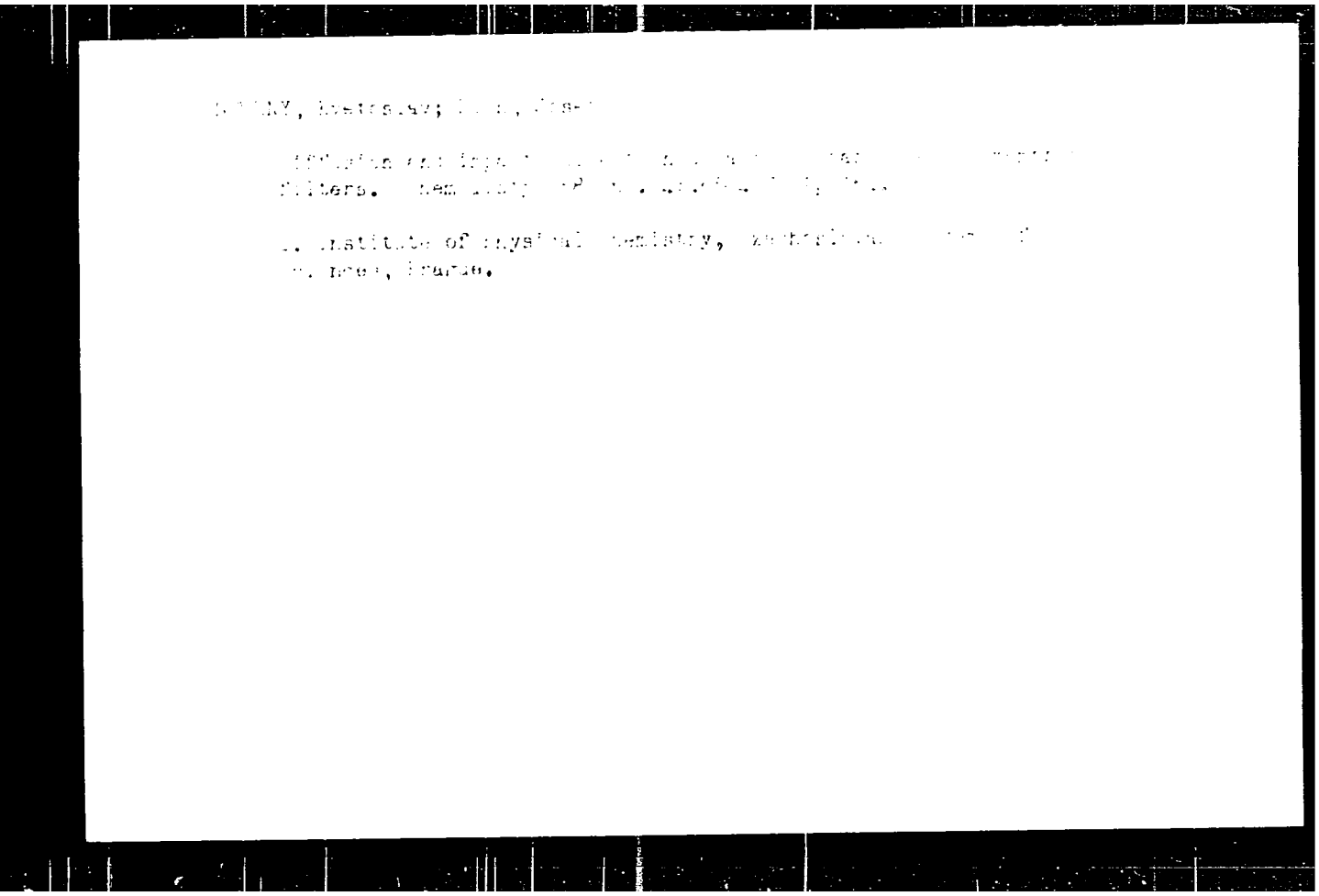
PICH, Josef

Influence of the gas slip on the [illegible] in aerosol particle deposition on a sphere. [illegible] no.4:409-411 '64.

1. Institute of Physical Chemistry of the Czechoslovak [illegible] of Sciences, Prague 2 - Vinohrady, Machova 7.

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PICH, J.

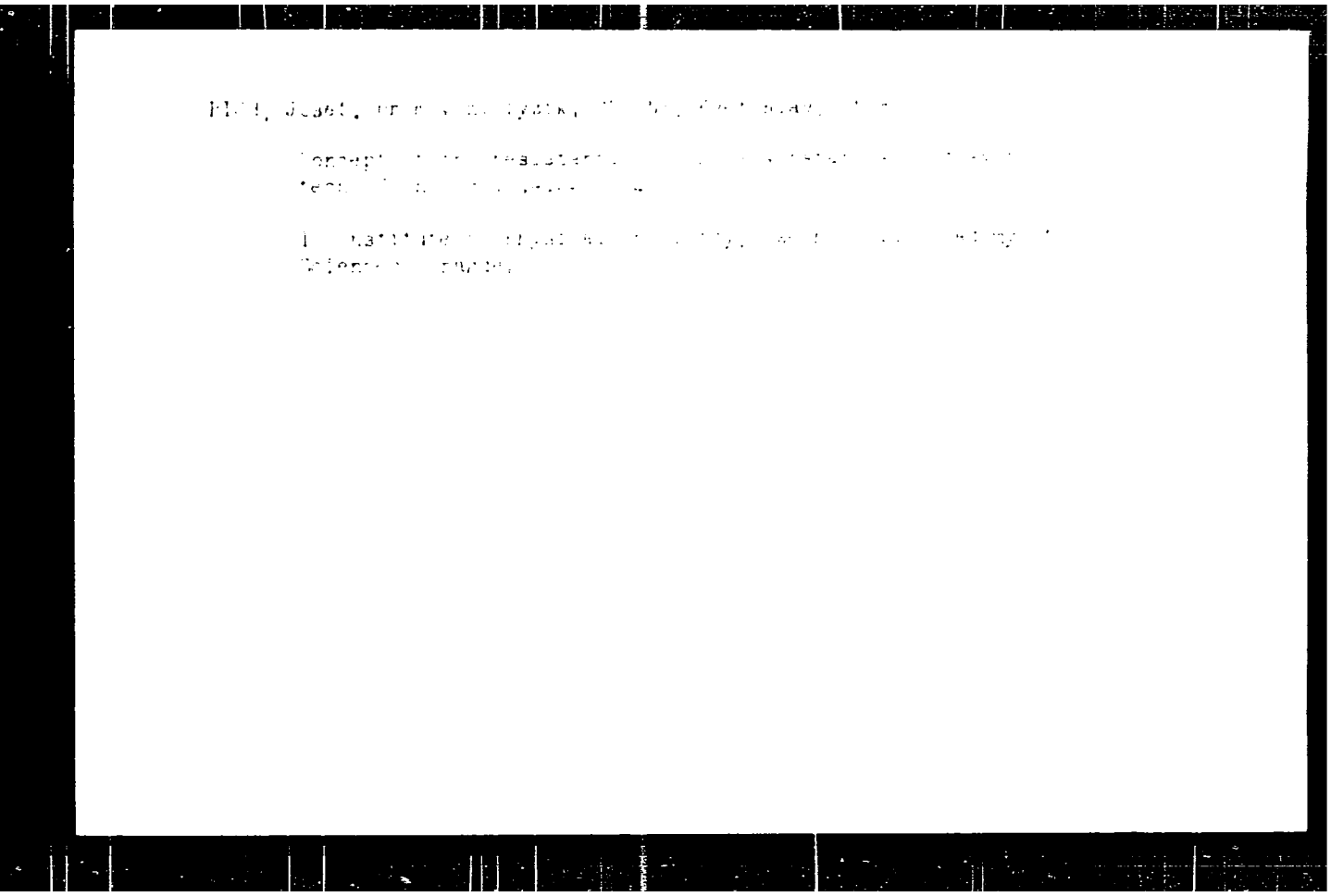
Movement of an aerosol particle at the higher Reynolds number ($Re > 0,1$). Coll Cz chem 26 no.2:346-351 F '61.
(EEAI 10:9)

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Aerosols) (Reynolds number)

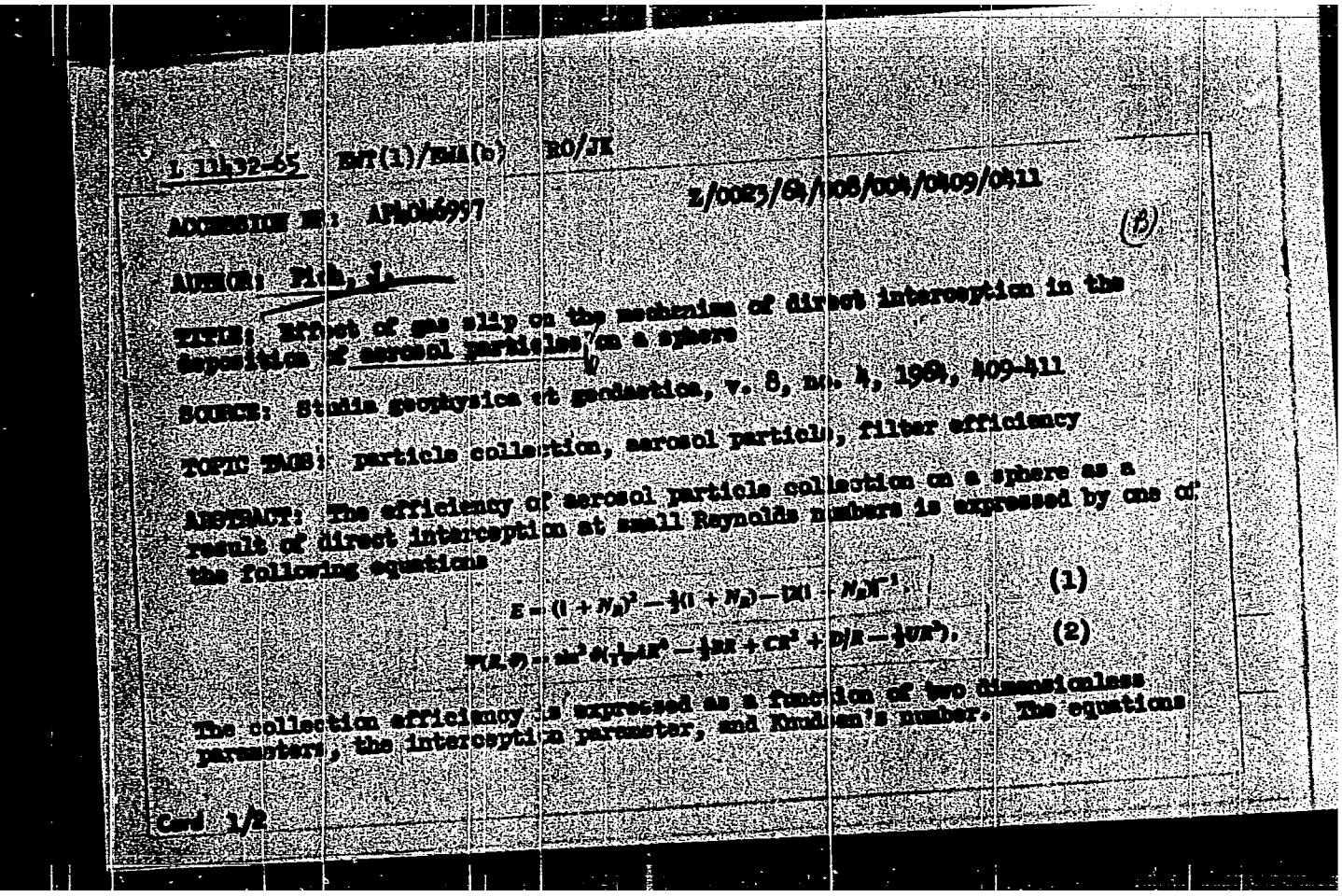
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L 11432-65 EWT(1)/EWA(b) BO/JK

ACCESSION NR: AP4046997 Z/0025/64/008/004/0409/0411 (B)

AUTHOR: Pich, J.

TITLE: Effect of gas slip on the mechanism of direct interception in the deposition of aerosol particles on a sphere

SOURCE: Studia geophysica et geodaetica, v. 8, no. 4, 1964, 409-411

TOPIC TAGS: particle collection, aerosol particle, filter efficiency

ABSTRACT: The efficiency of aerosol particle collection on a sphere as a result of direct interception at small Reynolds numbers is expressed by one of the following equations

$$E = (1 + N_R)^2 - \tfrac{1}{2}(1 + N_R) - [(1 - N_R)^{-1}, \quad (1)$$

$$E = \frac{\pi^2}{4}\left(\frac{1}{4}N_R^2 - \frac{1}{2}N_R + C_R^2 + D/R - \frac{1}{2}C_R^2\right). \quad (2)$$

The collection efficiency is expressed as a function of two dimensionless parameters, the interception parameter, and Knudsen's number. The equations

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take into account the slip of the gas on the surface of the sphere. The equations derived are important for meteorology (mainly for the theory of gravitational coagulation) and for calculating the efficiency of filters of granular structure. Orig. art. has: 16 formulas.

ASSOCIATION: Institut fizicheskoy khimii ChSAN, Prague (Institute of Physical Chemistry, ChSAN)

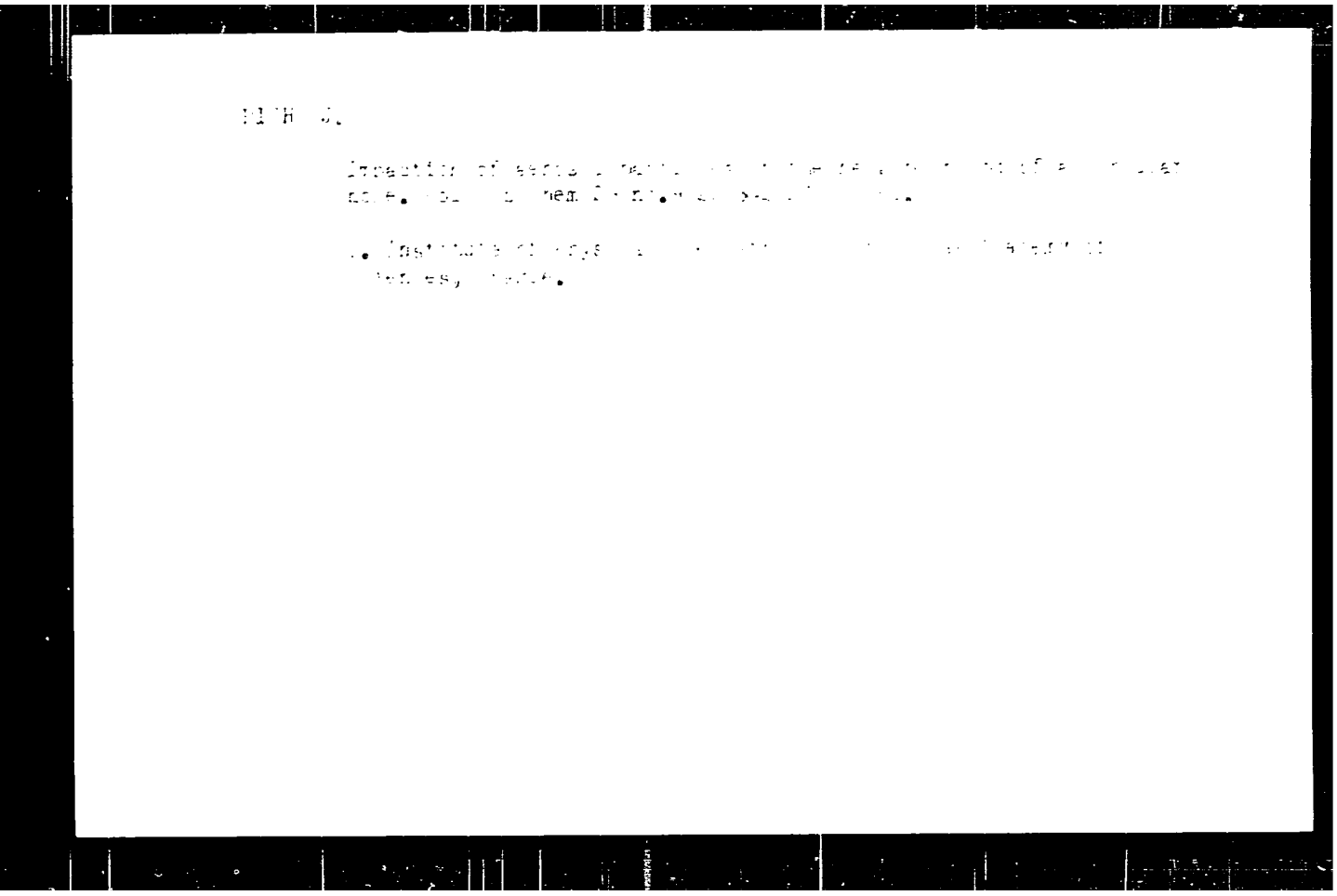
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NO REF SOV: 003 OTHER: 002

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Z,027/61/000/001/001/004
A207/A126

AUTHORS: Spurný, Květoslav, and Pich, Josef

TITLE: The dispersity of industrial aerosols in the lower atmosphere

PERIODICAL: Studia Geophysica et Geodaetica, no. 1, 1961, 85 - 91

TEXT: Industrial aerosol is produced by the dispersion of solid and liquid particles of industrial raw materials or industrial waste in the atmosphere, or by the condensation of the vapours of organic and inorganic substances and chemical reactions in the gaseous state. The authors present in this paper their experiences in capturing aerosol samples from the atmosphere and also the results of measuring the dispersity of industrial aerosols in the Prague atmosphere. For the collection of the particles, the authors used the weathercock (Fig. 1) and fixed to it a holder for small meshes with needle-like microcrystals of Cu_2O. Submicronic particles can be collected on these "needles" by means of diffusion. The microcrystals are prepared by the oxidation of copper meshes used as the sample carrier in electron microscopy. Oxidation takes place as a small flow of air passes through a copper mesh at a temperature of 400 - 500°C. Meshes thus oxidized

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The dispersity of industrial aerosols in ..

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serve as the carrier medium for collecting aerosol particles. Small discs with a diameter of 5 mm are cut from the meshes and placed in the holder on the weathercock. The contaminated atmospheric air passes through the meshes as a result of natural flow and the aerosol particles catch on the "needle-like" crystals. The sizes of the aerosol particles were measured both with an optical microscope by the usual methods and on photographs taken with an electron microscope. The dispersity of sub-micron particles was determined by measuring the particles on the photographs. Thus, the dispersity could be measured in the size range $0.01 \leq 2r \leq 100.0\ \mu$. The numerical data of the dispersity were tabulated, and the mean values in the various size ranges, the averages of the Prague districts, the total averages and monthly averages were calculated. From these measured and calculated values, the differential and integral curves and the curves in the probability network were plotted. Measurements were carried out during a ten-month period in 1959, during which a total of 109 samples was collected and measured. The results showed that the dispersity of the aerosols is very stable and varies little with the place of observation and the season. Almost 80% of the particles of industrial aerosol are in the size range $0.05 < 2r < [illegible]\ \mu$, and

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The [illegible] of industrial aerosols ...

[illegible]
AS07/A-26

only about 5% of particles $2r \leq 1.0\ \mu$. The smallest size of [illegible] of aerosols was found to be $2r = 30$ mμ. The log-term measurements that the size distribution of industrial aerosol particles approximates logarithmic-normal distribution in both the region of colloidal [illegible] in the region of coarse suspensions. There are 5 figures and 10 bibliographic references: 10 Soviet-bloc and 9 non-Soviet-bloc. The reference to the English-language publication reads as follows: J. Cartwright, G. Hall-Schmidt, J. Shidmore: Study of Air Pollution with the Electron Microscope. J. Roy. Mat. Soc., 32, 1958, 32.

ASSOCIATION: Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague

SUBMITTED: June 27, 1960

Card 3/4

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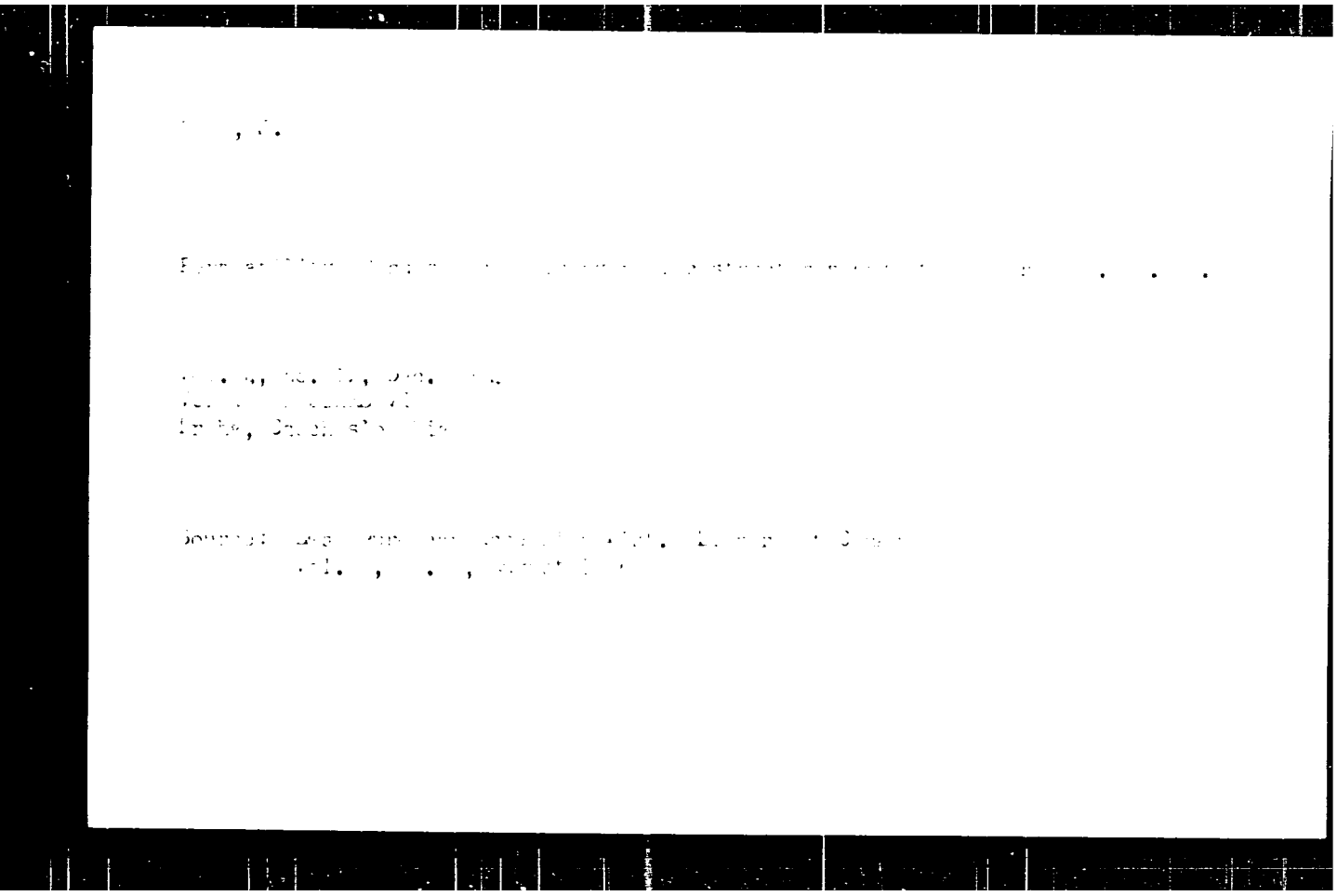
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICH, dr., inz.

"Magnetization iron ore roasting" by Bl Picman. Reviewed by Pich. Hut listy 16 no.5:373 My '61.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

SPURNY,K.; PICH,J.

Analytical methods for determination of aerosols with the help of membrane ultrafilters. Pt.2. Coll Cz Chem Comm 28 no.11 2886-2894 1963.

1. Institute [illegible] Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

[illegible], Juliusz; [illegible], Kazimierz

[illegible] first [illegible]; [illegible] ller plant in Lavitera. [illegible]
Maszyn [illegible]:29-[illegible] Mr. 63).

1. Prozamet, Gliwice.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICH, O.

Production of aluminum oxide. p. 87.
SOVETSKA VEDA: HUTNICTVI, Prague, Vol. 3, no. 1, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956. Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICH, O.

Development of the productio of aluminum in Czechoslovakia. p. 16[illegible].
ZA SOCIALISTICKOU VEDU A TECHNIKU. Vol. 4, no. 4, Apr. 1954.

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 5, No. 6, June 1956 Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

FICH, [illegible].

Electrolysis of aluminium.

P. [illegible] (Prana, Czechoslovakia) Vol. [illegible], No. 11, Nov. 19[illegible]

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. [illegible], May [illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PEDLIK, Miroslav, inz.; PICH, Oskar, dr.

Dressing of Cuban iron-nickel ores. Hut listy 16 no.12:885-889 D '61.

1. Vyzkumny ustav kovu, Panenske Brezany.

(Iron ores) (Nickel)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

RICH, C.

Development of the production of aluminum in Czechoslovakia. p. 168.
ZA SOCIALISTICKOU VEDU Z TECHNIKU, Prague, Vol. 4, no. 4, Apr. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

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L 4[illegible]-[illegible] EWT(m)/EPF(n)-2/EWP(t)/ETI IJP(c) JD

ACC NR: AP6026071 SOURCE CODE: CZ/0034/65/000/012/0878/0883

AUTHOR: Pich, Oskar (Engineer; Doctor)

ORG: Ministry of Heavy Industry, Prague (Ministerstvo tezkeho prumyslu)

TITLE: Improved refining of aluminum melt

SOURCE: Hutnicke listy, no. 12, 1965, 878-883

TOPIC TAGS: metallurgic process, aluminum

ABSTRACT: Refining of aluminum without the use of chemicals is a very slow process. Good results are obtained when chlorine gas is used for refining; even better results were obtained by the author by adding a mixture of salts containing cryolite, aluminum fluoride, and various chlorides. The refining process is accelerated by the action of an electric current. This method allows the process to be conducted on a continuous basis. Orig. art. has: 1 figure and 3 tables. [Based on author's Eng. abst.] [JPRS: 34,272]

SUB CODE: 11 / SUBM DATE: none

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

FIEDLER, B.; PICHA, D.

Research on methanometers for mines and their development in Czechoslovakia. Prace vyzkum paliv 4:45-72 '62.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J.; PICHA, E.

Chromatographic estimation of 3,4-benzpyrene. Cesk. hyg. 7 no.?: 482-491 S '62.

1. Okresni hygienicko-epidemiologicka stanice, oddeleni hygieny prace, Gottwaldov.

(BENZOPYRENES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

KOLOMAZNIK, L.; ZDRAZIL, J.; PICHA, F.

Incidence of benign, precancerous and cancerous tumors in the respiratory tract of foundry workers employed in areas containing large amounts of 3,4-benzpyrenes in the atmosphere. Cesk. otolaryng. 12 no.1:1-11 F '63.

1. ORL oddeleni nemocnice v Kyjove OHES v Gottwaldove.
(RESPIRATORY TRACT NEOPLASMS) (OCCUPATIONAL DISEASES)
(AIR POLLUTION) (BENZPYRENES)

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CZECHOSLOVAKIA

[illegible], [illegible], and [illegible]LA, F., with technical co-operation of [illegible].
[illegible]A, [illegible], Department of [illegible] Hygiene [illegible] eleni hygieny prace, [illegible]
[illegible] hygienicko-epidemiologicka stanice; area [illegible]
health and epidemiology station, Gottwaldov.

"Cancerogenic Substances - 3,4-benzpyrene - in Moulding Sand Mixtures and Foundry Dust"

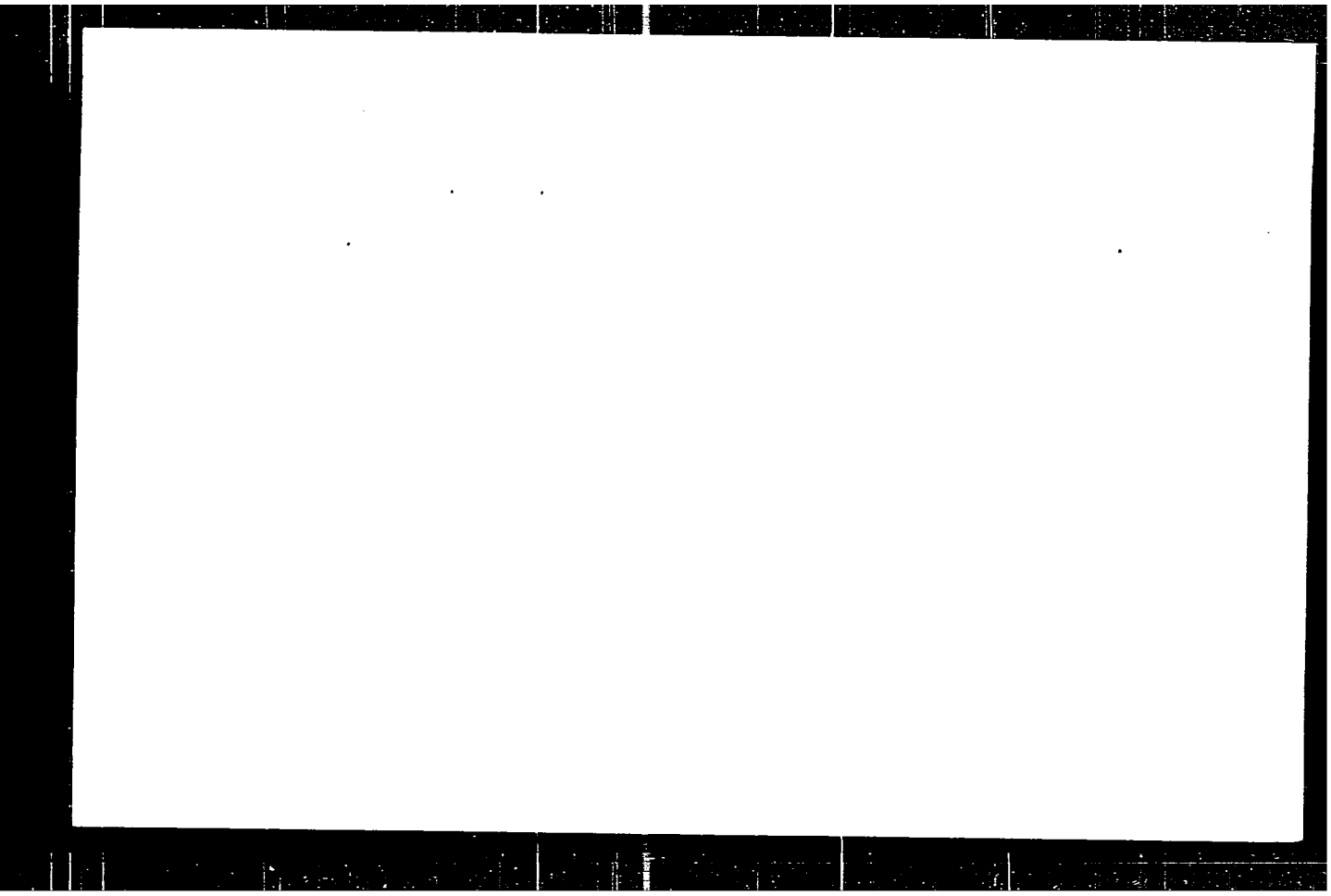
Prague, Pracovni Lekarstvi, Vol XV, No [illegible], June [illegible], pp [illegible] - [illegible].

Abstract [illegible] 3,4-benzpyrene content [illegible] cyclic [illegible] in [illegible] intermediate [illegible] in moulding mixtures. [illegible] increased [illegible] was found in the [illegible] where [illegible] mixtures were prepared. Dust from such [illegible] [illegible] as 4.[illegible] mcg of 3,4-benzpyrene per [illegible] gram. An admixture of coal pitch increased the [illegible] substantially in [illegible] to [illegible] casting. This was the reason why the use of coal pitch in [illegible] was prohibited. [illegible] references, including [illegible] Czech.

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ZDRAZIL,J.; PICHA, F.

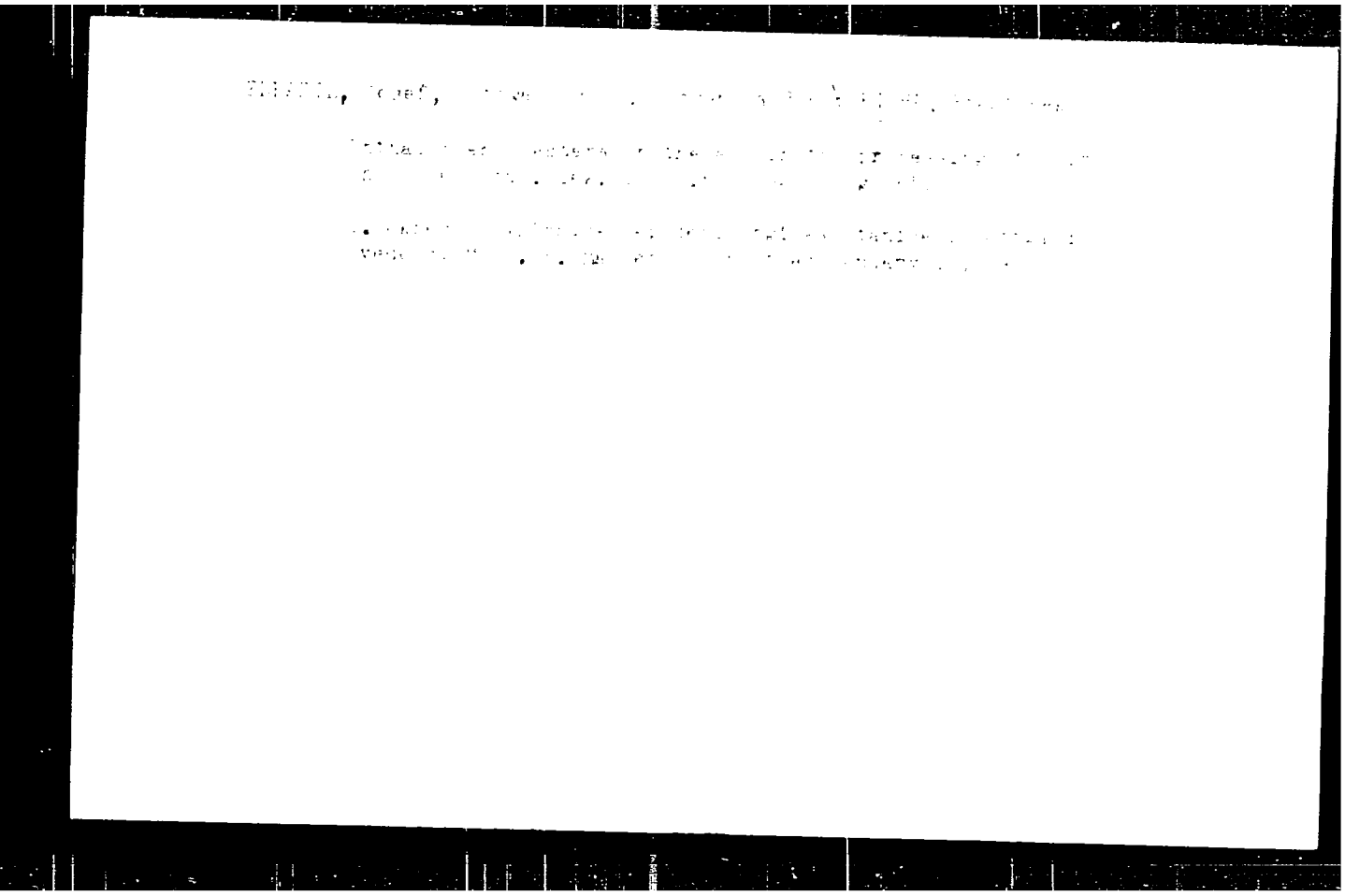
Presence of 3,4-benzopyrene in the atmosphere during the manufacture of cast metal mountings. Prac.lek. 15 no.9: 384-387 N'63.

1. OHES v Gottwaldove; vedoucí: MUDr. F.Maurer.

*

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

HALEČKA, Aj PICHA, P.

Central Geological Institute (Ustredni ustav geologicky) Prague (for both)

Prague, Vestnik ustredniho ustavu geologickeho, No 5, 1963, pp 297-306

"The Geological Development of the South-western Part of the Trebon Basin."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, F.

CZECHOSLOVAKIA

ZDRAZIL, J; PICHA, F.

OHES (OHES), Gottwaldov (for both)

Prague, Ceskoslovenska hygiena, No 6, 1963, pp 344-348

"Cancerogenous Hydrocarbons from Exhaust Gases in Work Atmosphere."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J.; PICHA, F.

On the use of black coal tar in waterworks. Cesk. hyg. [illegible]
S '62.

1. Okresni hygienicko-epidemiologicka stanice, odbeleni hygieny prace, Gottwaldov.

(WATER SUPPLY) (COAL TAR)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J.; PICHA, F.

Czechoslovakia

Okres Hygiene and Epidemiological Station, Work Hygiene Section (Okresni hygienicko-epidemiologicka stanice, oddeleni hygieny prace, Gottwaldov) Gottwaldov - (for both)

Prague, Ceskoslovenska hygiena, No 8, Sep 62, pp 449-452.

"On the Use of Black Coal Tar in Waterworks".

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J. ; PICHA, P.

Czechoslovakia

Okres Hygiene and Epidemiological Station, Work Hygiene Section (Okresni hygienicko-epidemiologicka stanice), Gottwaldov.- (both)

Prague, Ceskoslovenska hygiena, No 8, Sep 62, pp 482-491.

"Chromatographic Determination of 3,4- Benzopyrene".

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

CZECHOSLOVAKIA

[illegible], [illegible]; [illegible], F.; District Public Health and Epidemiology Station [illegible] H. Gottwaldov, Head (Vedouci) Doctor F. Maurer.

"The [illegible], 3,4-Benzpyrene in the Plant Air During the Production of Cast Metal Fittings."

Prague, [illegible], Vol [illegible], No 9, 1963, pp [illegible]

[illegible] [illegible] modified) cast iron fittings that are [illegible] ting, by a layer of pitcoal tar during [illegible] ns are a cause of health damage, because [illegible] carcinogenous 3,4-benzpyrene will [illegible]. In the machining workshop a definite [illegible] brass, lead, and some traces were found [illegible] and housing units. During the machining operations 2.8 micrograms per cubic meter were found; this high content was due to a very high rate of metal cutting at the time. If [illegible] is substituted for pitcoal tar the risk of releasing a carcinogenous substance to atmosphere is removed. 1 Figure, 1 Table, 2 Czech references.

1/1

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J.; PICHA, F.; Technicka spoluprace: BREZIKOVA, Z.

Cancerogenic substances - 3,4-benzopyrene - in molding sand mixtures and foundry dust. Prac. lek. 15 no.5:207-211 Je '63.

1. Oddeleni hygieny prace OHES v Gottwaldove.
(BENZOPYRENES) (AIR POLLUTION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, J.; PICHA, F.

Presence of cancerogenic hydrocarbons in the technology of rubber manufacture. Prac. lek. 15 no.2:62-66 Mr '63.

1. Oddeleni hygieny prace OHES v Gottwaldove.
(HYDROCARBONS) (CARCINOGENS) (RUBBER)
(BENZOPYRENES) (AIR POLLUTION)

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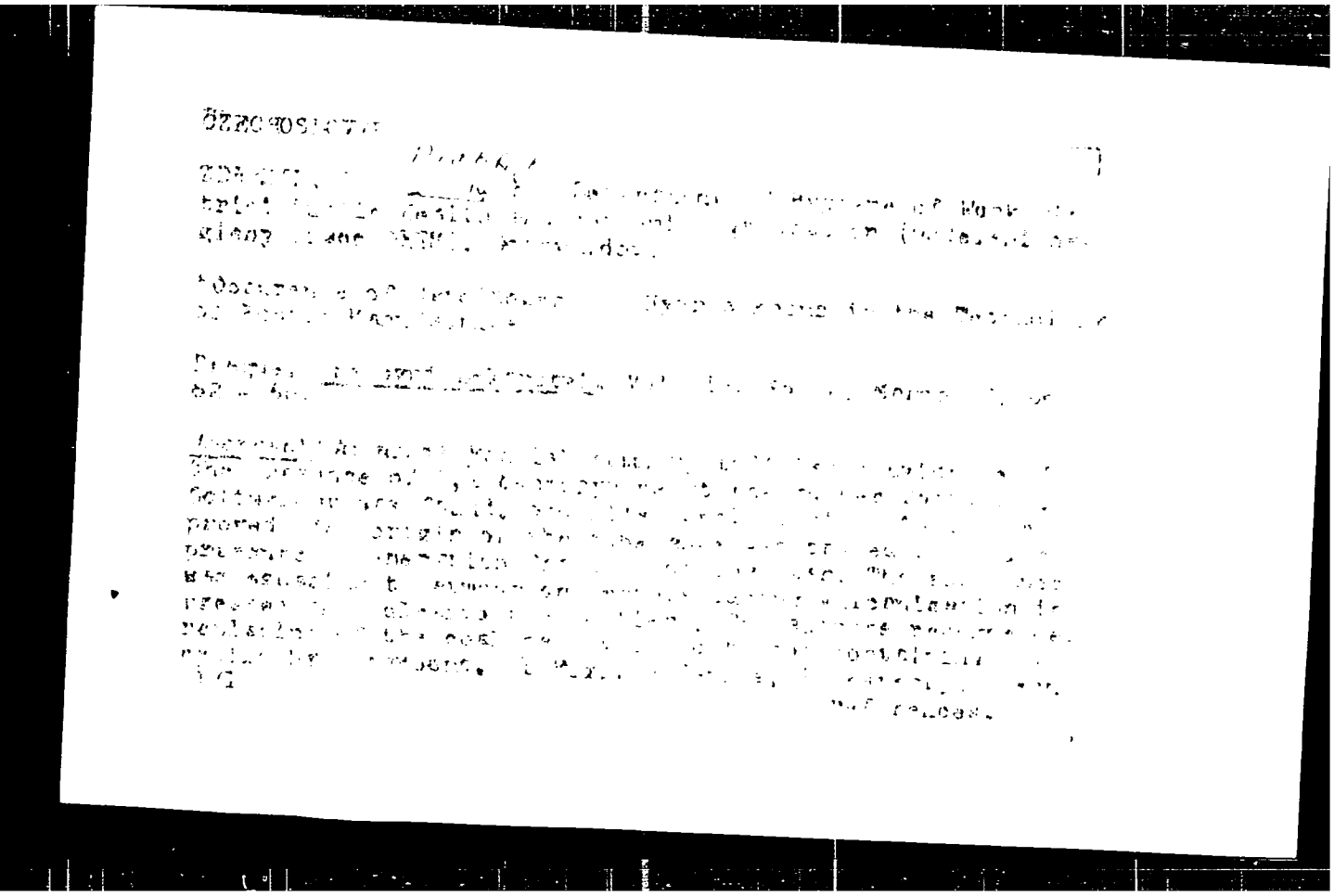
ZDRAZIL, J.; PICHA, F.

Cancerogenous hydrocarbones from exhaust gases in the working atmosphere. Cesk. hyg. 8 no.6 344-348 Jl '63.

1. CHES Gottwaldov
(HYDROCARBONS) (AIR POLLUTION)
(AUTOMOBILE EXHAUST)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ROUBAL, J.; ZDRAZIL, J.; PICHA, F.

Air pollution in industry; hydrogen sulfide in the atmosphere of tanneries. Pracovni lek. 4 no.2:155-158 May 1952. (CIML 23:4)

1. Of the Institute of Industrial Medicine (Head--Docent J. Roubal, M. D.), Gottwaldv.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

~~FRANTISEK~~ PICHA,

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Part 1. - Safety and Sanitation Techniques. H-6

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21913

Author : Josef Zdrazil, Frantisek Picha, Frantisek Zaoralek
Inst : -
Title : To the Question of Sanitation Problems in Sulfuric Acid Manufacturing.

Orig Pub : Pracovni lekar., 1956, 8, No 1, 11-15

Abstract : At investigations carried out in a Czechoslovakian H_2SO_4 factory, no raised concentration of SO_2 were detected in the air in work premises as a rule; the personnel working in places with a raised SO_2 content in the air is employed only during short periods (equipment repair, putting the equipment into action after repair). Nitrogen and As oxides were detected in the air in concentrations below the permissible as a limit, but As was

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BENESOVA, Eva; PICHA, Frantisek

Sedimentation area of the Paleocene Flysch layers. Prace Ust naft 20:45-46 '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, Josef; PICHA, Frantisek; ZAORALEK, Frantisek

Hygienic problems in the manufacture of sulfur dioxide.
Pracovni lek. 8 no. 1: 11-15 Jan 56.

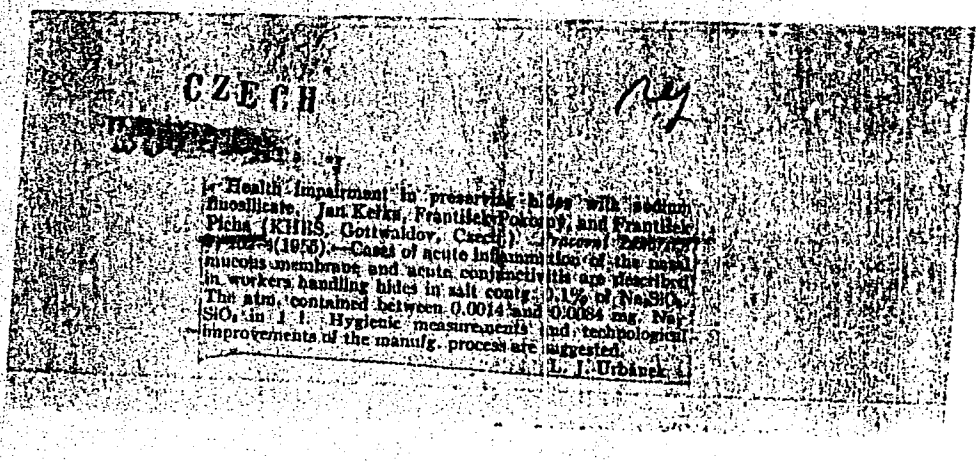
1. KHES, oddeleni hygieny prace v Gottwaldove
(SULFUR
dioxide, prev. of atmosphere concentration in indust.
(Czech))
(AIR POLLUTION,
by sulfur dioxide in indust., prev. (Czech))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

FRANTISEK PICHA

PICHA, FRANTISEK



CZECH

Health impairment in preserving hides with sodium fluosilicate. Jan Kelka, Frantisek Pokorny, and Frantisek Picha (Kozed. Stat. Ustav Hygien., Gottwaldov, Czech.) Pracovni Lekarstvi 27, 302-9(1975).—Cases of acute inflammation of the nasal mucous membranes and acute conjunctivitis are described in workers handling hides in salt contg. 0.1% of Na_2SiO_3. The atm. contained between 0.0014 and 0.0084 mg. Na_2SiO_3 in 1 l. Hygienic measurements and technological improvements of the manufg. process are suggested.
L. J. Urbánek

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, Frantisek

Petrography of sediments of the Vlachy-1 key borehole. [illegible]
naft. 29:25-37 '63.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

Picha, F.

CZECH

[redacted] and F. Picha (Army acc. [redacted] Olomouc, CSSR.). [redacted]

A mass of H_2S poisoning occurred in a chimney pit at a concentration of H_2S 0.2119 mg./l. of air, liberated from [redacted] concealed in the hides by the acid tanning process. L. J. U.

2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ROUBAL, Jan; ZIRAZIL, Josef; PICHA, Fr.

Polarographic determination of 2,4,6-trinitrotoluene in the air and of 2,6-dinitro-4-aminotoluene in urine. Cask. hyg. epidem. mikrob. 2 no.4:300-330 Aug '53.

1. Z katedry hygieny prace hygienicko epidemiologickeho smeru lekarske fakulty Karlovy university v Praze a z KHES, oddeleni hygieny prace v Gottwaldove.

(TOLUENE, derivatives,
2,6-dinitro-4-aminotoluene in urine & 2,4,6-trinitrotoluene in air, polarography)
(POLAROGRAPHY,
of 2,6-dinitro-4-aminotoluene in urine & 2,4,6-trinitrotoluene in air)
(AIR POLLUTION,
2,4,6-trinitrotoluene, polarography)
(URINE,
2,6-dinitro-4-aminotoluene, polarography)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

ZDRAZIL, Josef; PICHA, Frantisek; POKORNY, Frantisek, MUDr.

Cutaneous lesions in workers exposed to toluol. Pracovni lek. 9 no.3: 224-225 June 57.

1. Krajska hygienickoepidemiologicka stanice -- oddeleni hygieny prace v Gottwaldove, prednosta oddeleni MUDr Frantisek Malon.

(TOLUENE, injurious effects,
occup. skin dis. (Cz))
(OCCUPATIONAL DISEASES,
toluene inj., occup. (Cz))
(SKIN DISEASES,
occup. toluene inj. (Cz))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA

CZECHOSLOVAKIA / Chemical Technology. - Safety First Technique. Sanitation Technique. Chemical Products and Their Application. Part 1. H-6

Abs Jour : Referat. Zhurnal Khimiya, No 4, 1958, 11790.

Author : Josef Zdrazil, Frantisek Picha, Frantisek Pokorny.

Inst : Not given

Title : Skin Injuries of Men Working with Toluene.

Orig Pub : Pracovni lekar., 1957, 9, No 3, 224 - 225.

Abstract : It was noticed in the spring of 1956 that workers having contact with rubber solution in toluene (I) suffered from skin irritation on their faces and inflation and reddening of eyelids. It was proved with experiments on animals that the cause thereof was carbazole and, partly, anthracene contained in I as impurities.

Card 1/1

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ZDRAZIL, Josef; PICHA, Frantisek

Cancerogenic hydrocarbons in the glass industry. Prac. lek. 16 no.2:74-77 Mr '64

1. Okresni hygienicko-epidemiologicka stanice v Gottwaldove; vedouci :MUDr. F.Maurer.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PROKA, Frantisek

Surname (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: [illegible]

Source: Prague, [illegible], No 3, 1961, pp 215-218.

Data: "Preliminary Report on the Use of Boating Properties of Clay Rocks For Correlation Scopes."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, Fr.

ROUBAL, Jan; ZDRAZIL, Josef; PICHA, Fr.

Hygienic shortcoming in usage of wastes sulfuric acid in production of superphosphates. Cask. hyg. epidem. mikrob. 2 no.3:224-228 June 53.

1. Z krajske hygienicko-epidemiologicke stanice, oddeleni hygieny prace v Gottwaldove (prednosta doc. Dr Jan Roubal)

(SULFURIC ACID, injurious effects,
occup., in prod. of fertilizers)
(OCCUPATIONAL DISEASES,
sulfuric acid pois. in prod. of fertilizers)
(FERTILIZERS,
sulfuric acid pois. in prod. of)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

KERKA, Jan, Dr; POKORNY, Frantisek, Dr; PICHA, Frantisek

Possibility of health impairment in workers conserving hides with sodium fluorosilicate. Pracovni lek. 7 no.2:102-104 Apr 55.

1. Z KHES - odd. hygieny prace- a KUNZ - odd. pro choroby z polani - Gottwaldov.

(SODIUM,
fluorosilicate, use in preserv. of hides, inj. eff. on workers)
(FLUORINE,
sodium fluorosilicate, use in preserv. of hides, inj. eff. on workers)
(SILICON,
sodium fluorosilicate, use in preserv. of hides, inj. eff. on workers)
(OCCUPATIONAL DISEASES,
caused by sodium fluorosilicate used in preserv. of hides)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

Pichl, F.

Hygienic defects observed in use of waste sulfuric acid for superphosphate production. J. Roubal, J. Zilvar, and F. Pichl (Hyg. práce, Ústí n/Labem, Czech.). *Českoslov. farm., Sekce chemická, věda a výzkum*, 2, 224-8(1953)—In the plant plm, $NO_2C_6H_3$ (I) was found polarographically, its amt. being dependent on the quality of the waste H_2SO_4 used (from the production of nitro compds.), i.e., on the degree of its dilu. with pure acid. Cases of acute poisoning with I were observed; apart from acute damages there was a fall in the hemoglobin value and in the leucocytes. In the superphosphate (II) only dinitro compds. were found (fresh 0.02, old 0.01%). Allergic skin reactions in those working with the finished product are related to the content of dinitrochlorobenzene in II. L. J. Urbánek

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, F.

1. Polarographical determinations of 2,4,6-trinitrotoluene in the atmosphere and of 2,6-dinitro-4-aminotoluene in the urine. J. Roubal, J. Zdrahl, and F. Picha (Charles Univ., Prague). *Chem. Listy*, [illegible], issue 2, 300-3(1953).—The analyzed air is sucked through 90% ethanol (1 l./min., 20 min.) which is then dild. to 5% and polarographed in 0.5% sodium carbonate. Fifty ml. of urine is hydrolyzed by concd. HCl, the hydrolyzate is alkalized with bicarbonate, extd. with ether, and evapd. The residue is dissolved in 98% ethanol, dild. with water, and polarographed.
L. J. Urbane

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, Jan, RNDr.

Symposium on [illegible]. Studia geophys [illegible].

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

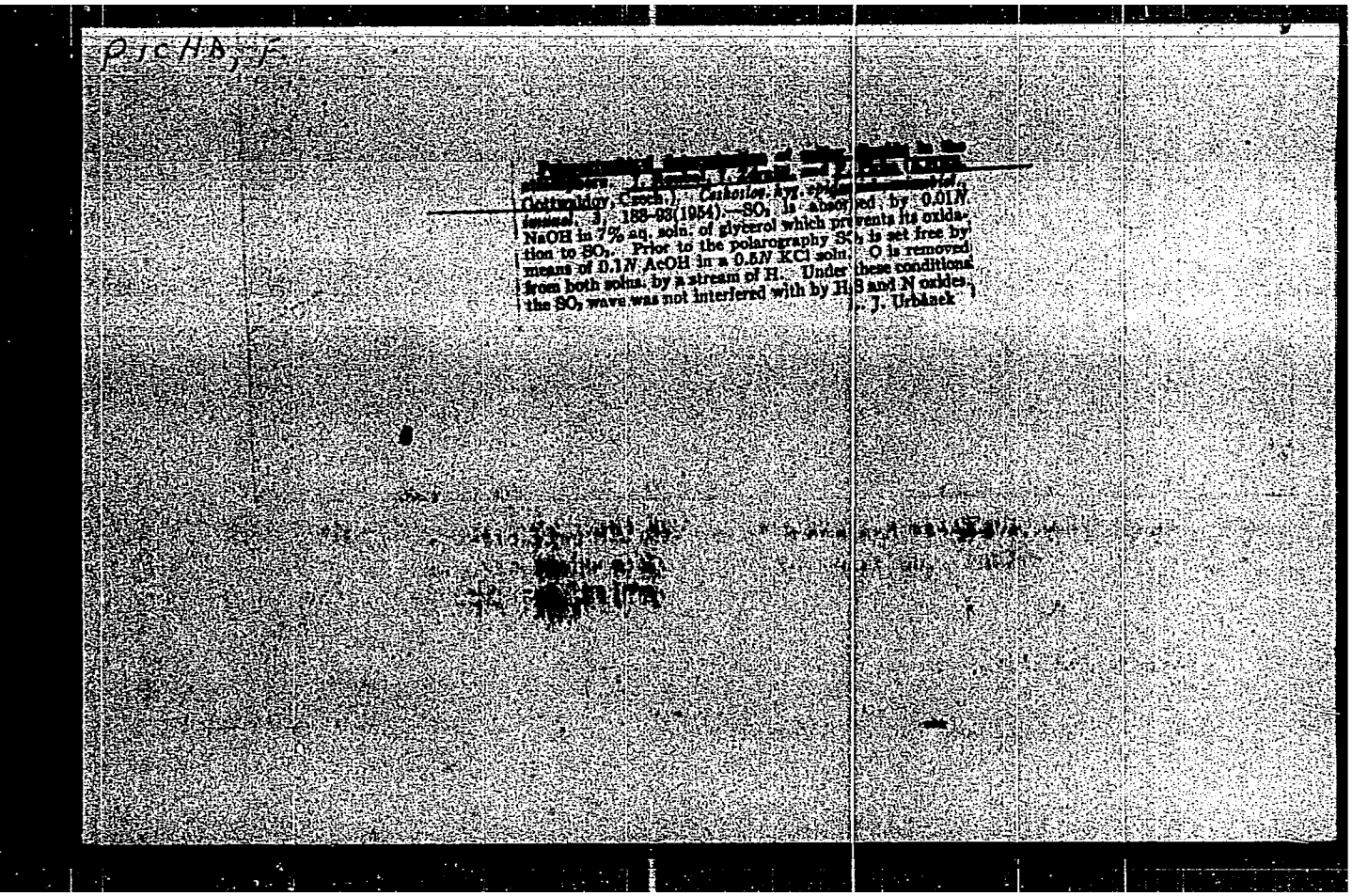
PICHA, F.

CZECH

V Industrial atmosphere. V. Formaldehyde in the atmosphere of working environment. J. Roubal, J. Zdrazil, and F. Picha. *Prcovní Lékařství* 4, 283(1953); *Public Health Eng. Abstr.* 33, No. 8, 5; cf. *C.A.* 45, 2855.—The source of contamination of the air in work places where glues with a HCHO-urea base are used is to be found in the free HCHO contained in resins. Quantities of 0.18 to 1.4% of free HCHO were found in glues exaind. Technicians maintain that the use of glues which do not contain free HCHO is not practicable. Where resins are produced, it is necessary to provide good ventilation. Free HCHO remains for a long time on objects stuck together with synthetic glue or coated with a resin-contg. paste. Sites where such material is worked should contain adequate ventilation. It is best to use gas masks or respirators in places where HCHO is used in spraying hides for tanning. F. D. H.

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P,C/H8,F

Gottwaldov, Czech. *Casopis Cesk. Lekarnictva* 3, 188-93(1954).—SO_2 is absorbed by 0.01*N* NaOH in 7% aq. soln. of glycerol which prevents its oxidation to SO_3. Prior to the polarography S^{--} is set free by means of 0.1*N* AcOH in a 0.5*N* KCl soln. O is removed from both solns. by a stream of H. Under these conditions the SO_2 wave was not interfered with by H_2S and N oxides. J. Urbánek

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, F.

CZECH

Health impairment in preserving hides with sodium fluosilicate. Jan Kelka, František Pokorný, and František Picha. (KHBS, Gottwaldov, Czech.). *Pracovní Lékařství* 7, 103–4(1955).—Cases of acute inflammation of the nasal mucous membrane and acute conjunctivitis are described in workers handling hides in salt contg. 0.1% of Na_2SiO_3. The atm. contained between 0.0014 and 0.0081 mg. Na_2SiO_3 in 1 l. Hygienic measurements and technological improvements of the [illegible] are suggested.

L. J. Urbánek

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001240720019-5

PICHA, J.

SCIENCE

Periodicals: METEOROLOGICKE ZPRAVY. Vol. 11, no. 4/5, Oct. 1958

PICHA, J. Ozone near the ground and its measurement. p. 92.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

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